

罡境電子股份有限公司

DACO Semiconductor Co., Ltd.

Determination

•

Ambition

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Commitment

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Obligation



A pioneer and innovation diode product manufacturer

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Section A

STANDARD RECOVERY RECTIFIERS

Stud Devices—Glass Passivated

Part Number	Package	VRRM	IO	IFSM	Page
1N3208(R)~1N3214(R)	DO-5(DO-203AB)	50~600V	15A	297A	A3
1N1183(R)~1N1190(R)	DO-5(DO-203AB)	50~600V	35A	595A	A3
1N3765(R)~1N3768(R)	DO-5(DO-203AB)	700~1000V	35A	475A	A3
1N1183A(R)~1N1190A(R)	DO-5(DO-203AB)	50~600V	40A	800A	A3
S40B(R)~S40Y(R)	DO-5(DO-203AB)	100~1600V	40A	595A	A3
1N2128A(R)~1N2138A(R)	DO-5(DO-203AB)	50~600V	60A	1050A	A3
S70B(R)~S70Y(R)	DO-5(DO-203AB)	100~1600V	70A	1250A	A4
S85B(R)~S85Y(R)	DO-5(DO-203AB)	100~1600V	85A	1500A	A4
S300BM(R)~S300YM(R)	DO-9(DO-205AB)	100~1600V	300A	6850A	A4

Three Tower(TO-244AB Isolated) Devices—Glass Passivated

Part Number	Package	VRRM	IO	IFSM	Page
MSRT10060(A)D~MSRT100160(A)D	THREE TOWER(TO-244AB)	600~1600V	100A	2000A	A5
MSRT15060(A)D~MSRT150160(A)D	THREE TOWER(TO-244AB)	600~1600V	150A	2250A	A5
MSRT20060(A)D~MSRT200160(A)D	THREE TOWER(TO-244AB)	600~1600V	200A	3000A	A5

Heavy Three Ttower (Isolated) Devices—Glass Passivated

Part Number	Package	VRRM	IO	IFSM	Page
MSRTA20060(A)D~MSRTA200160(A)D	HEAVY THREE TOWER	600~1600V	200A	3000A	A5
MSRTA30060(A)D~MSRTA300160(A)D	HEAVY THREE TOWER	600~1600V	300A	3800A	A5

Three Tower(TO-240AA Isolated) Devices—Glass Passivated

Part Number	Package	VRRM	IO	IFSM	Page
MSRTT10060(A)D(R)~MSRTT100160(A)D(R)	THREE TOWER (TO-240AA)	600~1600V	100A	2000A	A6
MSRTT20060(A)D(R)~MSRTT200160(A)D(R)	THREE TOWER (TO-240AA)	600~1600V	200A	3000A	A6
MSRTT20060(A)(R)~MSRTT100160(A)(R)	THREE TOWER (TO-240AA)	600~1600V	100A	2000A	A6
MSRTT40060(A)(R)~MSRTT400160(A)(R)	THREE TOWER (TO-240AA)	600~1600V	200A	3000A	A6

Section A

STANDARD RECOVERY RECTIFIERS

Three Tower(TO-240AAC Isolated) Devices—Glass Passivated

Part Number	Package	VRRM	IO	IFSM	Page
MSRTTA40220A(R)	THREE TOWER (TO-240AAC)	2200V	40A	1080A	A7
MSRTTAL40220A(R)	THREE TOWER (TO-240AAC)	2200V	40A	1080A	A7
MSRTTA80220A(R)	THREE TOWER (TO-240AAC)	2200V	80A	2600A	A7
MSRTTA10060(A)D(R)~MSRTTA100160(A)D(R)	THREE TOWER (TO-240AAC)	600~1600V	100A	2000A	A7
MSRTTA20060(A)D(R)~MSRTTA200160(A)D(R)	THREE TOWER (TO-240AAC)	600~1600V	200A	3000A	A7
MSRTTA20060(A)(R)~MSRTTA200160(A)(R)	THREE TOWER (TO-240AAC)	600~1600V	200A	2000A	A7
MSRTTA40060(A)(R)~MSRTTA400160(A)(R)	THREE TOWER (TO-240AAC)	600~1600V	400A	3000A	A7

Three Phase(Isolated) Devices—Glass Passivated

Part Number	Package	VRRM	IO	IFSM	Page
M3P50A-040~M3P50A-160	THREE PHASE	600~1600V	50A	1000A	A8
M3P75A-040~M3P75A-160	THREE PHASE	600~1600V	75A	1000A	A8

SOT-227 Devices(Isolated)- Glass Passivated

Part Number	Package	VRRM	IO	IFSM	Page
MSRI2X25-080A~MSRI2X25-120A	SOT-227	800~1200V	50A	500A	A9
MSRI2X40-060A~MSRI2X40-160A	SOT-227	600~1600V	80A	800A	A9
MSRI2X60-120A~MSRI2X60-160A	SOT-227	1200~1600V	120A	1500A	A9
MSRI2X61-120A~MSRI2X61-160A	SOT-227	1200~1600V	120A	1200A	A9
MSRI2X100-120A~MSRI2X100-160A	SOT-227	1200~1600V	200A	2000A	A9

STANDARD RECOVERY RECTIFIERS

STUD DEVICES

Part No.	Maximum Recurrent Peak Reverse Voltage	Maximum Average Forward Rectified Current		Peak forward Surge Current 8.3ms Single Half Sine-Wave Superimposed On Rated Load	Maximum DC Instantaneous Reverse Current @V _{RRM}		Maximum Instantaneous Forward Voltage @25°C		Package Outline
	V _{RRM}	I _O @T _C		I _{FSM}	I _R @T _J		V _F	I _F	
	V _{PK}	A	°C	A	@25°C μA	@175°C mA	V	A	

15AMP / GLASS PASSIVATED / DO-5 (DO-203AB)

1N3208(R)	50	15	150	297	10	12	1.1	15	Dimensions on page.2 
1N3209(R)	100	15	150	297	10	12	1.1	15	
1N3210(R)	200	15	150	297	10	12	1.1	15	
1N3211(R)	300	15	150	297	10	12	1.1	15	
1N3212(R)	400	15	150	297	10	12	1.1	15	
1N3213(R)	500	15	150	297	10	12	1.1	15	
1N3214(R)	600	15	150	297	10	12	1.1	15	

35AMP / GLASS PASSIVATED / DO-5 (DO-203AB)

1N1183(R)	50	35	150	595	10	12	1.1	35	Dimensions on page.2 
1N1184(R)	100	35	150	595	10	12	1.1	35	
1N1186(R)	200	35	150	595	10	12	1.1	35	
1N1187(R)	300	35	150	595	10	12	1.1	35	
1N1188(R)	400	35	150	595	10	12	1.1	35	
1N1189(R)	500	35	150	595	10	12	1.1	35	
1N1190(R)	600	35	150	595	10	12	1.1	35	
1N3765(R)	700	35	150	475	10	12	1.1	35	
1N3766(R)	800	35	150	475	10	12	1.1	35	
1N3767(R)	900	35	150	475	10	12	1.1	35	
1N3768(R)	1000	35	150	475	10	12	1.1	35	

40AMP / GLASS PASSIVATED / DO-5 (DO-203AB)

1N1183A(R)	50	40	150	800	10	12	1.1	40	Dimensions on page.2 
1N1184A(R)	100	40	150	800	10	12	1.1	40	
1N1186A(R)	200	40	150	800	10	12	1.1	40	
1N1188A(R)	400	40	150	800	10	12	1.1	40	
1N1190A(R)	600	40	150	800	10	12	1.1	40	
S40B(R)	100	40	140	595	10	12	1.1	40	
S40D(R)	200	40	140	595	10	12	1.1	40	
S40G(R)	400	40	140	595	10	12	1.1	40	
S40J(R)	600	40	140	595	10	12	1.1	40	
S40K(R)	800	40	140	595	10	12	1.1	40	
S40M(R)	1000	40	140	595	10	12	1.1	40	
S40Q(R)	1200	40	140	595	10	12	1.1	40	
S40V(R)	1400	40	140	595	10	12	1.1	40	
S40Y(R)	1600	40	140	595	10	12	1.1	40	

60AMP / GLASS PASSIVATED / DO-5 (DO-203AB)

1N2128A(R)	50	60	150	1050	10	12	1.1	60	Dimensions on page.2 
1N2129A(R)	100	60	150	1050	10	12	1.1	60	
1N2130A(R)	150	60	150	1050	10	12	1.1	60	
1N2131A(R)	200	60	150	1050	10	12	1.1	60	
1N2133A(R)	300	60	150	1050	10	12	1.1	60	
1N2135A(R)	400	60	150	1050	10	12	1.1	60	
1N2137A(R)	500	60	150	1050	10	12	1.1	60	
1N2138A(R)	600	60	150	1050	10	12	1.1	60	

T_J and T_{stg} of -55°C to +175°C

I_{FSM} for 25°C

★I_R@T_J=175°C

With Suffix 'R' for Stud Reverse Polarity (Anode to Stud)

STANDARD RECOVERY RECTIFIERS

STUD DEVICES

Part No.	Maximum Recurrent Peak Reverse Voltage	Maximum Average Forward Rectified Current		Peak forward Surge Current 8.3ms Single Half Sine-Wave Superimposed On Rated Load	Maximum DC Instantaneous Reverse Current @V _{RRM}		Maximum Instantaneous Forward Voltage @25°C		Package Outline
	V _{RRM}	I _o @T _c		I _{FSM}	I _R @T _j		V _F	I _F	
	V _{PK}	A	°C	A	@25°C μA	@175°C mA	V	A	

70AMP / GLASS PASSIVATED / DO-5 (DO-203AB)

S70B(R)	100	70	140	1250	10	12	1.1	70	Dimensions on page.2 
S70D(R)	200	70	140	1250	10	12	1.1	70	
S70G(R)	400	70	140	1250	10	12	1.1	70	
S70J(R)	600	70	140	1250	10	12	1.1	70	
S70K(R)	800	70	140	1250	10	12	1.1	70	
S70M(R)	1000	70	140	1250	10	12	1.1	70	
S70Q(R)	1200	70	140	1250	10	12	1.1	70	
S70V(R)	1400	70	140	1250	10	12	1.1	70	
S70Y(R)	1600	70	140	1250	10	12	1.1	70	

85AMP / GLASS PASSIVATED / DO-5 (DO-203AB)

S85B(R)	100	85	140	1500	10	12	1.1	85	Dimensions on page.2 
S85D(R)	200	85	140	1500	10	12	1.1	85	
S85G(R)	400	85	140	1500	10	12	1.1	85	
S85J(R)	600	85	140	1500	10	12	1.1	85	
S85K(R)	800	85	140	1500	10	12	1.1	85	
S85M(R)	1000	85	140	1500	10	12	1.1	85	
S85Q(R)	1200	85	140	1500	10	12	1.1	85	
S85V(R)	1400	85	140	1500	10	12	1.1	85	
S85Y(R)	1600	85	140	1500	10	12	1.1	85	

300AMP / GLASS PASSIVATED / DO-9 (DO-205AB)

S300BM(R)	100	300	130	6850	10	12	1.1	300	Dimensions on page.4 
S300DM(R)	200	300	130	6850	10	12	1.1	300	
S300EM(R)	300	300	130	6850	10	12	1.1	300	
S300GM(R)	400	300	130	6850	10	12	1.1	300	
S300JM(R)	600	300	130	6850	10	12	1.1	300	
S300KM(R)	800	300	130	6850	10	12	1.1	300	
S300MM(R)	1000	300	130	6850	10	12	1.1	300	
S300QM(R)	1200	300	130	6850	10	12	1.1	300	
S300YM(R)	1600	300	130	6850	10	12	1.1	300	

T_j and T_{stg} of -55°C to +175°C

I_{FSM} for 25°C

★I_R@T_j=175°C

With Suffix R for Stud Reverse Polarity(Anode to Stud)

STANDARD RECOVERY RECTIFIERS

THREE TOWER & HEAVY THREE TOWER DEVICES

Part No.	Maximum Recurrent Peak Reverse Voltage	Maximum Average Forward Rectified Current		Peak forward Surge Current 8.3ms Single Half Sine-Wave Superimposed On Rated Load	Maximum DC Instantaneous Reverse Current @V _{RRM}		Maximum Instantaneous Forward Voltage @25°C		Package Outline
	V _{RRM}	I _O @T _c		I _{FSM}	I _R @T _j		V _F	I _F	
	V _{PK}	A	°C	A	@25°C μA	@150°C mA	V	A	

100AMP / GLASS PASSIVATED / THREE TOWER (TO-244AB Isolated)

MSRT10060(A)D	600	100	140	2000	10	5	1.1	100	Dimensions on page.10 
MSRT10080(A)D	800	100	140	2000	10	5	1.1	100	
MSRT100100(A)D	1000	100	140	2000	10	5	1.1	100	
MSRT100120(A)D	1200	100	140	2000	10	5	1.1	100	
MSRT100140(A)D	1400	100	140	2000	10	5	1.1	100	
MSRT100160(A)D	1600	100	140	2000	10	5	1.1	100	

150AMP / GLASS PASSIVATED / THREE TOWER (TO-244AB Isolated)

MSRT15060(A)D	600	150	140	2250	10	5	1.1	150	Dimensions on page.10 
MSRT15080(A)D	800	150	140	2250	10	5	1.1	150	
MSRT150100(A)D	1000	150	140	2250	10	5	1.1	150	
MSRT150120(A)D	1200	150	140	2250	10	5	1.1	150	
MSRT150140(A)D	1400	150	140	2250	10	5	1.1	150	
MSRT150160(A)D	1600	150	140	2250	10	5	1.1	150	

200AMP / GLASS PASSIVATED / THREE TOWER (TO-244AB Isolated)

MSRT20060(A)D	600	200	140	3000	10	5	1.1	200	Dimensions on page.10 
MSRT20080(A)D	800	200	140	3000	10	5	1.1	200	
MSRT200100(A)D	1000	200	140	3000	10	5	1.1	200	
MSRT200120(A)D	1200	200	140	3000	10	5	1.1	200	
MSRT200140(A)D	1400	200	140	3000	10	5	1.1	200	
MSRT200160(A)D	1600	200	140	3000	10	5	1.1	200	

200AMP / GLASS PASSIVATED / HEAVY THREE TOWER (Isolated)

MSRTA20060(A)D	600	200	125	3000	10	5	1.1	200	Dimensions on page.11 
MSRTA20080(A)D	800	200	125	3000	10	5	1.1	200	
MSRTA200100(A)D	1000	200	125	3000	10	5	1.1	200	
MSRTA200120(A)D	1200	200	125	3000	10	5	1.1	200	
MSRTA200140(A)D	1400	200	125	3000	10	5	1.1	200	
MSRTA200160(A)D	1600	200	125	3000	10	5	1.1	200	

300AMP / GLASS PASSIVATED / HEAVY THREE TOWER (Isolated)

MSRTA30060(A)D	600	300	125	3800	20	10	1.1	300	Dimensions on page.11 
MSRTA30080(A)D	800	300	125	3800	20	10	1.1	300	
MSRTA300100(A)D	1000	300	125	3800	20	10	1.1	300	
MSRTA300120(A)D	1200	300	125	3800	20	10	1.1	300	
MSRTA300140(A)D	1400	300	125	3800	20	10	1.1	300	
MSRTA300160(A)D	1600	300	125	3800	20	10	1.1	300	

T_j and T_{stg} of -40°C to +175°C

I_{FSM} for 25°C

STANDARD RECOVERY RECTIFIERS

THREE TOWER (TO-240AA) DEVICES

Part No.	Maximum Recurrent Peak Reverse Voltage	Maximum Average Forward Rectified Current		Peak forward Surge Current 8.3ms Single Half Sine-Wave Superimposed On Rated Load	Maximum DC Instantaneous Reverse Current @V _{RRM}		Maximum Instantaneous Forward Voltage @25°C		Package Outline
	V _{RRM}	Io@Tc		IFSM	Ir@Tj		VF	IF	
	V _{PK}	A	°C		@25°C	@150°C			
				A	μA	mA	V	A	

100AMP / GLASS PASSIVATED / THREE TOWER (TO-240AA Isolated)

MSRTT10060(A)D(R)	600	100	140	2000	10	5	1.1	100	Dimensions on page.14 
MSRTT10080(A)D(R)	800	100	140	2000	10	5	1.1	100	
MSRTT100100(A)D(R)	1000	100	140	2000	10	5	1.1	100	
MSRTT100120(A)D(R)	1200	100	140	2000	10	5	1.1	100	
MSRTT100140(A)D(R)	1400	100	140	2000	10	5	1.1	100	
MSRTT100160(A)D(R)	1600	100	140	2000	10	5	1.1	100	

200AMP / GLASS PASSIVATED / THREE TOWER (TO-240AA Isolated)

MSRTT20060(A)D(R)	600	200	125	3000	10	5	1.1	200	Dimensions on page.14 
MSRTT20080(A)D(R)	800	200	125	3000	10	5	1.1	200	
MSRTT200100(A)D(R)	1000	200	125	3000	10	5	1.1	200	
MSRTT200120(A)D(R)	1200	200	125	3000	10	5	1.1	200	
MSRTT200140(A)D(R)	1400	200	125	3000	10	5	1.1	200	
MSRTT200160(A)D(R)	1600	200	125	3000	10	5	1.1	200	

100AMP / GLASS PASSIVATED / THREE TOWER (TO-240AA Isolated)

MSRTT20060(A)(R)	600	100	140	2000	10	5	1.1	100	Dimensions on page.14 
MSRTT20080(A)(R)	800	100	140	2000	10	5	1.1	100	
MSRTT200100(A)(R)	1000	100	140	2000	10	5	1.1	100	
MSRTT200120(A)(R)	1200	100	140	2000	10	5	1.1	100	
MSRTT200140(A)(R)	1400	100	140	2000	10	5	1.1	100	
MSRTT100160(A)(R)	1600	100	140	2000	10	5	1.1	100	

200AMP / GLASS PASSIVATED / THREE TOWER (TO-240AA Isolated)

MSRTT40060(A)(R)	600	200	125	3000	10	5	1.1	200	Dimensions on page.14 
MSRTT40080(A)(R)	800	200	125	3000	10	5	1.1	200	
MSRTT400100(A)(R)	1000	200	125	3000	10	5	1.1	200	
MSRTT400120(A)(R)	1200	200	125	3000	10	5	1.1	200	
MSRTT400140(A)(R)	1400	200	125	3000	10	5	1.1	200	
MSRTT400160(A)(R)	1600	200	125	3000	10	5	1.1	200	

T_J and T_{stg} of -55°C to +175°C

I_{FSM} for 25°C

STANDARD RECOVERY RECTIFIERS

THREE TOWER (TO-240AAC) DEVICES

Part No.	Maximum Recurrent Peak Reverse Voltage	Maximum Average Forward Rectified Current		Peak forward Surge Current 8.3ms Single Half Sine-Wave Superimposed On Rated Load	Maximum DC Instantaneous Reverse Current @V _{RRM}		Maximum Instantaneous Forward Voltage @25°C		Package Outline
	V _{RRM}	Io@Tc		IFSM	IR@Tj		VF	IF	
	V _{PK}	A	°C		@25°C	@150°C			
				A	μA	mA	V	A	

40AMP & 80AMP / GLASS PASSIVATED / THREE TOWER (TO-240AAC Isolated)

MSRTTA40220A(R)	2200	40	140	1080	25	3	0.92	20	Dimensions on page.15 
MSRTTA140220A(R)	2200	40	140	1080	25	3	0.86	20	
MSRTTA80220A(R)	2200	80	140	2600	25	3	0.92	40	

100AMP / GLASS PASSIVATED / THREE TOWER (TO-240AAC Isolated)

MSRTTA10060(A)D(R)	600	100	140	2000	10	5	1.1	100	Dimensions on page.15 
MSRTTA10080(A)D(R)	800	100	140	2000	10	5	1.1	100	
MSRTTA100100(A)D(R)	1000	100	140	2000	10	5	1.1	100	
MSRTTA100120(A)D(R)	1200	100	140	2000	10	5	1.1	100	
MSRTTA100140(A)D(R)	1400	100	140	2000	10	5	1.1	100	
MSRTTA100160(A)D(R)	1600	100	140	2000	10	5	1.1	100	

200AMP / GLASS PASSIVATED / THREE TOWER (TO-240AAC Isolated)

MSRTTA20060(A)D(R)	600	200	125	3000	10	5	1.1	200	Dimensions on page.15 
MSRTTA20080(A)D(R)	800	200	125	3000	10	5	1.1	200	
MSRTTA200100(A)D(R)	1000	200	125	3000	10	5	1.1	200	
MSRTTA200120(A)D(R)	1200	200	125	3000	10	5	1.1	200	
MSRTTA200140(A)D(R)	1400	200	125	3000	10	5	1.1	200	
MSRTTA200160(A)D(R)	1600	200	125	3000	10	5	1.1	200	

200AMP / GLASS PASSIVATED / THREE TOWER (TO-240AAC Isolated)

MSRTTA20060(A)(R)	600	200	140	2000	10	5	1.1	100	Dimensions on page.15 
MSRTTA20080(A)(R)	800	200	140	2000	10	5	1.1	100	
MSRTTA200100(A)(R)	1000	200	140	2000	10	5	1.1	100	
MSRTTA200120(A)(R)	1200	200	140	2000	10	5	1.1	100	
MSRTTA200140(A)(R)	1400	200	140	2000	10	5	1.1	100	
MSRTTA200160(A)(R)	1600	200	140	2000	10	5	1.1	100	

400AMP / GLASS PASSIVATED / THREE TOWER (TO-240AAC Isolated)

MSRTTA40060(A)(R)	600	400	125	3000	10	5	1.1	200	Dimensions on page.15 
MSRTTA40080(A)(R)	800	400	125	3000	10	5	1.1	200	
MSRTTA400100(A)(R)	1000	400	125	3000	10	5	1.1	200	
MSRTTA400120(A)(R)	1200	400	125	3000	10	5	1.1	200	
MSRTTA400140(A)(R)	1400	400	125	3000	10	5	1.1	200	
MSRTTA400160(A)(R)	1600	400	125	3000	10	5	1.1	200	

T_J and T_{stg} of -40°C to +150°C -- 40AMP & 80AMP

T_J and T_{stg} of -55°C to +175°C -- 100AMP ~ 400AMP

I_{FSM} for 25°C

STANDARD RECOVERY RECTIFIERS

THREE PHASE DEVICES

Part No.	Maximum Recurrent Peak Reverse Voltage	Maximum Average Forward Rectified Current		Peak forward Surge Current 8.3ms Single Half Sine-Wave Superimposed On Rated Load	Maximum DC Instantaneous Reverse Current @V _{RRM}		Maximum Instantaneous Forward Voltage @25°C		Package Outline
	V _{RRM}	I _o @T _C		I _{FSM}	I _R @T _j		V _F	I _F	
	V _{PK}	A	°C	A	@25°C μA	@150°C mA	V	A	

50AMP / GLASS PASSIVATED / THREE PHASE (Isolated)

M3P50A-040	400	50	120	1000	10	10	1.1	50	Dimensions on page.20 
M3P50A-060	600	50	120	1000	10	10	1.1	50	
M3P50A-080	800	50	120	1000	10	10	1.1	50	
M3P50A-100	1000	50	120	1000	10	10	1.1	50	
M3P50A-120	1200	50	85	1000	10	10	1.1	50	
M3P50A-140	1400	50	85	1000	10	10	1.1	50	
M3P50A-160	1600	50	85	1000	10	10	1.1	50	

75AMP / GLASS PASSIVATED / THREE PHASE (Isolated)

M3P75A-040	400	75	120	1000	10	10	1.1	75	Dimensions on page.20 
M3P75A-060	600	75	120	1000	10	10	1.1	75	
M3P75A-080	800	75	120	1000	10	10	1.1	75	
M3P75A-100	1000	75	120	1000	10	10	1.1	75	
M3P75A-120	1200	75	85	1000	10	10	1.1	75	
M3P75A-140	1400	75	85	1000	10	10	1.1	75	
M3P75A-160	1600	75	85	1000	10	10	1.1	75	

T_j and T_{stg} of -40°C to +150°C

I_{FSM} for 25°C

STANDARD RECOVERY RECTIFIERS

SOT-227 DEVICES

Part No.	Maximum Recurrent Peak Reverse Voltage	Maximum Average Forward Rectified Current		Peak forward Surge Current 8.3ms Single Half Sine-Wave Superimposed On Rated Load	Maximum DC Instantaneous Reverse Current @V _{RRM}		Maximum Instantaneous Forward Voltage @25°C		Package Outline
	V _{RRM}	Io@Tc		IFSM	IR@Tj		VF	IF	
					@25°C	@150°C			
	V _{PK}	A	°C	A	μA	mA	V	A	

50AMP / GLASS PASSIVATED / SOT-227 (Isolated)

MSRI2X25-080A	800	50	125	500	25	5	1.2	25	Dimensions on page.13 
MSRI2X25-120A	1200	50	125	500	25	5	1.2	25	

80AMP / GLASS PASSIVATED / SOT-227 (Isolated)

MSRI2X40-060A	600	80	125	800	25	5	1.2	40	Dimensions on page.13 
MSRI2X40-080A	800	80	125	800	25	5	1.2	40	
MSRI2X40-120A	1200	80	125	800	25	5	1.2	40	
MSRI2X40-160A	1600	80	125	800	25	5	1.2	40	

120AMP / GLASS PASSIVATED / SOT-227 (Isolated)

MSRI2X60-120A	1200	120	125	1500	25	5	1.01	60	Dimensions on page.13 
MSRI2X60-160A	1600	120	125	1500	25	5	1.01	60	
MSRI2X61-120A	1200	120	125	1200	25	5	1.2	60	
MSRI2X61-160A	1600	120	125	1200	25	5	1.2	60	

200AMP / GLASS PASSIVATED / SOT-227 (Isolated)

MSRI2X100-120A	1200	200	125	2000	25	5	1.01	100	Dimensions on page.13 
MSRI2X100-160A	1600	200	125	2000	25	5	1.01	100	

T_J and T_{stg} of - 55°C to +175°C

IFSM for 25°C

Section B

SUPER FAST RECOVERY RECTIFIERS

Stud Devices—Glass Passivated

Part Number	Package	VRRM	IO	Trr	Page
MUR5020(R)~MUR5061(R)	DO-5(DO-203AB)	200~600V	50A	75~90ns	B3
MUR7020(R)~MUR7061(R)	DO-5(DO-203AB)	200~600V	70A	75~90ns	B3

Leaded & Half Pack Devices—Glass Passivated

Part Number	Package	VRRM	IO	Trr	Page
UFT7340M~UFT7360M	MINI MOD(D61-3M)	400~600V	70A	75~90ns	B4
UFT10010~UFT10060	POWER MOD(TO-249AA Isolated)	100~600V	100A	60~90ns	B4
UFT14010~UFT140A60	POWER MOD(TO-249AA Isolated)	100~600V	140A	75~90ns	B4
MURH7020(R)~MURH7060(R)	HALF PACK(D-67)	200~600V	70A	75~110ns	B4
MURH10020(R)~MURH10060(R)	HALF PACK(D-67)	200~600V	100A	75~110ns	B4

Twin Tower & Heavy Twin Tower Devices—Glass Passivated

Part Number	Package	VRRM	IO	Trr	Page
MUR10040CT(R)~MUR100A60CT(R)	TWIN TOWER	400~600V	100A	75~110ns	B5
MUR20020CT(R)~MUR200A60CT(R)	TWIN TOWER	200~600V	200A	75~110ns	B5
MUR30020CT(R)~MUR300A60CT(R)	TWIN TOWER	200~600V	300A	100~150ns	B5
MUR40020CT(R)~MUR400A60CT(R)	TWIN TOWER	200~600V	400A	150~200ns	B5
MURA40020CT(R)~MURA400A60CT(R)	HEAVY TWIN TOWER	200~600V	400A	150~200ns	B5
MURA60020CT(R)~MURA600A60CT(R)	HEAVY TWIN TOWER	200~600V	600A	250~280ns	B5

Three Tower Devices(Isolated)—Glass Passivated

Part Number	Package	VRRM	IO	Trr	Page
MURT10040(R)~MURT100A60(R)	THREE TOWER(TO-244AB)	400~600V	100A	75~110ns	B6
MURT20020(R)~MURT200A60(R)	THREE TOWER(TO-244AB)	200~600V	200A	75~110ns	B6
MURT30020(R)~MURT300A60(R)	THREE TOWER(TO-244AB)	200~600V	300A	100~150ns	B6
MURT40020(R)~MURT400A60(R)	THREE TOWER(TO-244AB)	200~600V	400A	150~240ns	B6

Heavy Three Tower Devices(Isolated)—Glass Passivated

Part Number	Package	VRRM	IO	Trr	Page
MURTA20020(R)~MURTA200120(R)	HEAVY THREE TOWER	200~1200V	200A	100~150ns	B7
MURTA30020(R)~MURTA300120(R)	HEAVY THREE TOWER	200~1200V	300A	130~150ns	B7
MURTA40020(R)~MURTA400120(R)	HEAVY THREE TOWER	200~1200V	400A	150~180ns	B7
MURTA50020(R)~MURTA500120(R)	HEAVY THREE TOWER	200~1200V	500A	200~250ns	B7
MURTA60020(R)~MURTA600120(R)	HEAVY THREE TOWER	200~1200V	600A	250~280ns	B7

Section B

SUPER FAST RECOVERY RECTIFIERS

Heavy Diode Devices(Isolated)- Glass Passivated

Part Number	Package	VRRM	IO	Trr	Page
MURIDA20020~MURIDA200120	HEAVY DIODE	200~1200V	200A	150~200ns	B8
MURIDA30020~MURIDA300120	HEAVY DIODE	200~1200V	300A	180~250ns	B8

SOT-227 Devices(Isolated)- Glass Passivated

Part Number	Package	VRRM	IO	Trr	Page
MURI2X30-02A~MURI2X30-06A	SOT-227	200~600V	60A	60ns	B9
MURI2X60-02A~MURI2X60-12A	SOT-227	200~1200V	120A	75~90ns	B9
MURI2X100-02A~MURI2X100-12A	SOT-227	200~1200V	200A	75~125ns	B9
MURI2X120-02A~MURI2X120-12A	SOT-227	200~1200V	240A	100~135ns	B9

TO-240AA Devices(Isolated)- Glass Passivated

Part Number	Package	VRRM	IO	Trr	Page
MURTT10020(R)~MURTT100120(R)	TO-240AA	200~1200V	100A	75~90ns	B10
MURTT20040(R)~MURTT200120(R)	TO-240AA	400~1200V	200A	90~125ns	B10
MURTT30040(R)~MURTT300120(R)	TO-240AA	400~1200V	300A	100~135ns	B10
MURTT40060(R)	TO-240AA	600V	400A	170ns	B10

TO-240AAC Devices(Isolated)- Glass Passivated

Part Number	Package	VRRM	IO	Trr	Page
MURTTA10020(R)~MURTTA100120(R)	TO-240AAC	200~1200V	100A	75~90ns	B11
MURTTA20040(R)~MURTTA200120(R)	TO-240AAC	400~1200V	200A	90~125ns	B11
MURTTA30040(R)~MURTTA300120(R)	TO-240AAC	400~1200V	300A	100~135ns	B11
MURTTA40060(R)	TO-240AAC	600V	400A	170ns	B11

Twin Tower Q Devices—Glass Passivated

Part Number	Package	VRRM	IO	Trr	Page
MURQ20020CT(R)~ MURQ200120CT(R)	TWIN TOWER Q	200~1200V	200A	75~125ns	B12
MURQ30020CT(R)~ MURQ300120CT(R)	TWIN TOWER Q	200~1200V	300A	100~150ns	B12
MURQ40020CT(R)~ MURQ400A60CT(R)	TWIN TOWER Q	200~600V	400A	150~180ns	B12

Heavy Three Tower KA Devices(Isolated)—Glass Passivated

Part Number	Package	VRRM	IO	Trr	Page
MURKA300120(A)(R)	Heavy Three Tower KA	1200V	300A	180ns	B13
MURKA40040(A)(R)~MURKA400120(A)(R)	Heavy Three Tower KA	400~1200V	400A	150~180ns	B13
MURKA60040(A)(R)~MURKA600120(A)(R)	Heavy Three Tower KA	400~1200V	600A	180~250ns	B13
MURKA80040(A)(R)~MURKA800120(A)(R)	Heavy Three Tower KA	400~1200V	800A	220~260ns	B13

SUPER FAST RECOVERY RECTIFIERS

STUD DEVICES

Part No.	Maximum Recurrent Peak Reverse Voltage	Maximum Average Forward Rectified Current		Peak forward Surge Current 8.3ms Single Half Sine-Wave Superimposed On Rated Load	Maximum DC Instantaneous Reverse Current @V _{RRM}		Maximum Instantaneous Forward Voltage @25°C		Maximum Reverse Recovery Time	Package Outline
	V _{RRM}	I _o @T _C		I _{FSM}	I _R @T _j		V _F	I _F	T _{rr}	
	V _{PK}	A	°C	A	@25°C μA	@125°C mA				

50AMP / GLASS PASSIVATED / DO-5 (DO-203AB)

MUR5020(R)	200	50	125	800	10	3	1.00	50	75	Dimensions on page.2 
MUR5040(R)	400	50	125	800	10	3	1.30	50	75	
MUR5061(R)	600	50	125	800	10	3	1.45	50	90	

70AMP / GLASS PASSIVATED / DO-5 (DO-203AB)

MUR7020(R)	200	70	125	1000	25	3	1.00	70	75	Dimensions on page.2 
MUR7040(R)	400	70	125	1000	25	3	1.30	70	75	
MUR7061(R)	600	70	125	1000	25	3	1.45	70	90	

T_J and T_{stg} of -55°C to +175°C

I_{FSM} for 25°C

With Suffix " R " for Stud Reverse Polarity (Anode to Stud)

SUPER FAST RECOVERY RECTIFIERS

LEADED & HALF PACK DEVICES

Part No.	Maximum Recurrent Peak Reverse Voltage	Maximum Average Forward Rectified Current at Per Pak		Peak forward Surge Current 8.3ms Single Half Sine-Wave Superimposed On Rated Load at Per leg	Maximum DC Instantaneous Reverse Current at Per leg @V _{RRM}		Maximum Instantaneous Forward Voltage at Per leg @25°C		Maximum Reverse Recovery Time at Per leg	Package Outline
	V _{RRM}	Io@Tc		IFSM	Ir@Tj		VF	IF	Trr	
	V _{PK}	A	°C		@25°C	@125°C				
		A	°C	A	μA	mA	V	A	ns	

70AMP / GLASS PASSIVATED / MINI MOD (D61-3M)

UFT7340M	400	70	125	800	20	3	1.30	35	75	Dimensions on page.5 
UFT7360M	600	70	125	800	20	3	1.70	35	90	

100AMP / GLASS PASSIVATED / POWER MOD (TO-249AA Isolated)

UFT10005	50	100	125	1000	25	3	1.00	50	60	Dimensions on page.6 
UFT10010	100	100	125	1000	25	3	1.00	50	60	
UFT10020	200	100	125	1000	25	3	1.00	50	60	
UFT10040	400	100	125	1000	25	3	1.30	50	70	
UFT10060	600	100	125	1000	25	3	1.70	50	90	

140AMP / GLASS PASSIVATED / POWER MOD (TO-249AA Isolated)

UFT14005	50	140	125	1300	25	3	1.00	70	75	Dimensions on page.6 
UFT14010	100	140	125	1300	25	3	1.00	70	75	
UFT14020	200	140	125	1300	25	3	1.00	70	75	
UFT14040	400	140	125	1300	25	3	1.30	70	85	
UFT140A60	600	140	125	1300	25	3	1.45	70	90	

70AMP / GLASS PASSIVATED / HALF PACK (D-67)

MURH7020(R)	200	70	125	1500	25	3	1.00	70	75	Dimensions on page.7 
MURH7040(R)	400	70	125	1500	25	3	1.30	70	90	
MURH7060(R)	600	70	125	1500	25	3	1.70	70	110	

100AMP / GLASS PASSIVATED / HALF PACK(D-67)

MURH10020(R)	200	100	140	2000	25	3	1.00	100	75	Dimensions on page.7 
MURH10040(R)	400	100	140	2000	25	3	1.30	100	90	
MURH10060(R)	600	100	140	2000	25	3	1.70	100	110	

T_j and T_{stg} of -55°C to +175°C

I_{FSM} for 25°C

HALF PACK(D-67) With Suffix " R " for Common Anode to baseplate

SUPER FAST RECOVERY RECTIFIERS

TWIN TOWER & HEAVY TWIN TOWER DEVICES

Part No.	Maximum Recurrent Peak Reverse Voltage	Maximum Average Forward Rectified Current at Per Pak		Peak forward Surge Current 8.3ms Single Half Sine-Wave Superimposed On Rated Load at Per leg	Maximum DC Instantaneous Reverse Current at Per leg @V _{RRM}		Maximum Instantaneous Forward Voltage at Per leg @25°C		Maximum Reverse Recovery Time at Per leg	Package Outline
	V _{RRM}	I _o @T _c		I _{FSM}	I _r @T _j		V _F	I _F	T _{rr}	
	V _{PK}	A	°C		@25°C	@125°C				
				A	uA	mA	V	A	ns	

100AMP / GLASS PASSIVATED / TWIN TOWER

MUR10040CT(R)	400	100	140	1500	25	3	1.30	50	90	Dimensions on page.8 
MUR10060CT(R)	600	100	140	1500	25	3	1.70	50	110	

200AMP / GLASS PASSIVATED / TWIN TOWER

MUR20020CT(R)	200	200	140	2000	25	3	1.00	100	75	Dimensions on page.8 
MUR20040CT(R)	400	200	140	2000	25	3	1.30	100	90	
MUR20060CT(R)	600	200	140	2000	25	3	1.70	100	110	
MUR200A60CT(R)	600	200	140	2000	25	3	1.45	100	110	

300AMP / GLASS PASSIVATED / TWIN TOWER

MUR30020CT(R)	200	300	125	2750	25	3	1.00	150	100	Dimensions on page.8 
MUR30040CT(R)	400	300	125	2750	25	3	1.30	150	110	
MUR30060CT(R)	600	300	125	2750	25	3	1.70	150	150	
MUR300A60CT(R)	600	300	125	2750	25	3	1.45	150	150	

400AMP / GLASS PASSIVATED / TWIN TOWER

MUR40020CT(R)	200	400	125	3300	25	3	1.00	200	150	Dimensions on page.8 
MUR40040CT(R)	400	400	125	3300	25	3	1.30	200	180	
MUR40060CT(R)	600	400	125	3300	25	3	1.70	200	200	
MUR400A60CT(R)	600	400	125	3300	25	3	1.45	200	200	

400AMP / GLASS PASSIVATED / HEAVY TWIN TOWER

MURA40020CT(R)	200	400	125	3300	25	3	1.00	200	150	Dimensions on page.9 
MURA40040CT(R)	400	400	125	3300	25	3	1.30	200	180	
MURA400A60CT(R)	600	400	125	3300	25	3	1.45	200	200	

600AMP / GLASS PASSIVATED / HEAVY TWIN TOWER

MURA60020CT(R)	200	600	125	4400	25	3	1.00	300	250	Dimensions on page.9 
MURA60040CT(R)	400	600	125	4400	25	3	1.30	300	250	
MURA600A60CT(R)	600	600	125	4400	25	3	1.45	300	280	

T_j and T_{stg} of -55°C to +175°C

I_{FSM} for 25°C

With Suffix "R" for Common Anode to baseplate

SUPER FAST RECOVERY RECTIFIERS

THREE TOWER DEVICES

Part No.	Maximum Recurrent Peak Reverse Voltage	Maximum Average Forward Rectified Current at Per Pak		Peak forward Surge Current 8.3ms Single Half Sine-Wave Superimposed On Rated Load at Per leg	Maximum DC Instantaneous Reverse Current at Per leg @V _{RRM}		Maximum Instantaneous Forward Voltage at Per leg @25°C		Maximum Reverse Recovery Time at Per leg	Package Outline
	V _{RRM}	I _o @T _c		I _{FSM}	I _r @T _j		V _F	I _F	T _{rr}	
	V _{PK}	A	°C		@25°C	@125°C				
		A	°C	A	μA	mA	V	A	ns	

100AMP / GLASS PASSIVATED / THREE TOWER (TO-244AB Isolated)

MURT10040(R)	400	100	140	1500	25	1	1.30	50	90	Dimensions on page.10 
MURT100A60(R)	600	100	140	1500	25	1	1.45	50	110	

200AMP / GLASS PASSIVATED / THREE TOWER (TO-244AB Isolated)

MURT20020(R)	200	200	140	2000	25	1	1.00	100	75	Dimensions on page.10 
MURT20040(R)	400	200	140	2000	25	1	1.30	100	90	
MURT200A60(R)	600	200	140	2000	25	1	1.45	100	110	

300AMP / GLASS PASSIVATED / THREE TOWER (TO-244AB Isolated)

MURT30020(R)	200	300	125	2750	25	2	1.00	150	100	Dimensions on page.10 
MURT30040(R)	400	300	125	2750	25	2	1.35	150	110	
MURT300A60(R)	600	300	125	2750	25	2	1.45	150	150	

400AMP / GLASS PASSIVATED / THREE TOWER (TO-244AB Isolated)

MURT40020(R)	200	400	125	3300	25	3	1.00	200	150	Dimensions on page.10 
MURT40040(R)	400	400	125	3300	25	3	1.35	200	180	
MURT400A60(R)	600	400	125	3300	25	3	1.45	200	240	

T_j and T_{stg} of -55°C to +175°C

I_{FSM} for 25°C

SUPER FAST RECOVERY RECTIFIERS

HEAVY THREE TOWER DEVICES

Part No.	Maximum Recurrent Peak Reverse Voltage	Maximum Average Forward Rectified Current at Per Pak		Peak forward Surge Current 8.3ms Single Half Sine-Wave Superimposed On Rated Load at Per leg	Maximum DC Instantaneous Reverse Current at Per leg @V _{RRM}		Maximum Instantaneous Forward Voltage at Per leg @25°C		Maximum Reverse Recovery Time at Per leg	Package Outline
	V _{RRM}	Io@Tc		IFSM	Ir@Tj		VF	IF	Trr	
	V _{PK}	A	°C		@25°C	@125°C				
				A	μA	mA	V	A	ns	

200AMP / GLASS PASSIVATED / HEAVY THREE TOWER (Isolated)

MURTA20020(R)	200	200	100	2000	25	5	1.00	100	100	Dimensions on page.11 
MURTA20040(R)	400	200	100	2000	25	5	1.30	100	100	
MURTA200A60(R)	600	200	100	2000	25	5	1.45	100	110	
MURTA200120(R)	1200	200	100	2000	25	5	2.60	100	150	

300AMP / GLASS PASSIVATED / HEAVY THREE TOWER (Isolated)

MURTA30020(R)	200	300	100	2750	25	5	1.00	150	130	Dimensions on page.11 
MURTA30040(R)	400	300	100	2750	25	5	1.30	150	130	
MURTA300A60(R)	600	300	100	2750	25	5	1.45	150	150	
MURTA300120(R)	1200	300	100	2750	25	5	2.60	150	150	

400AMP / GLASS PASSIVATED / HEAVY THREE TOWER (Isolated)

MURTA40020(R)	200	400	100	3300	25	5	1.00	200	150	Dimensions on page.11 
MURTA40040(R)	400	400	100	3300	25	5	1.30	200	150	
MURTA400A60(R)	600	400	100	3300	25	5	1.45	200	180	
MURTA400120(R)	1200	400	100	3300	25	5	2.60	200	180	

500AMP / GLASS PASSIVATED / HEAVY THREE TOWER (Isolated)

MURTA50020(R)	200	500	100	3800	25	5	1.00	250	200	Dimensions on page.11 
MURTA50040(R)	400	500	100	3800	25	5	1.30	250	200	
MURTA500A60(R)	600	500	100	3800	25	5	1.45	250	250	
MURTA500120(R)	1200	500	100	3800	25	5	2.60	250	250	

600AMP / GLASS PASSIVATED / HEAVY THREE TOWER (Isolated)

MURTA60020(R)	200	600	100	4400	25	5	1.00	300	250	Dimensions on page.11 
MURTA60040(R)	400	600	100	4400	25	5	1.30	300	250	
MURTA600A60(R)	600	600	100	4400	25	5	1.45	300	280	
MURTA600120(R)	1200	600	100	4400	25	5	2.60	300	280	

T_j and T_{stg} of -55°C to +175°C

I_{FSM} for 25°C

SUPER FAST RECOVERY RECTIFIERS

HEAVY DIODE DEVICES

Part No.	Maximum Recurrent Peak Reverse Voltage	Maximum Average Forward Rectified Current at Per Pak		Peak forward Surge Current 8.3ms Single Half Sine-Wave Superimposed On Rated Load at Per leg	Maximum DC Instantaneous Reverse Current at Per leg @V _{RRM}		Maximum Instantaneous Forward Voltage at Per leg @25°C		Maximum Reverse Recovery Time at Per leg	Package Outline
	V _{RRM}	I _o @T _c		I _{FSM}	I _R @T _j		V _F	I _F	T _{rr}	
	V _{PK}	A	°C		@25°C	@125°C				
		A	°C	A	μA	mA	V	A	ns	

200AMP / GLASS PASSIVATED / HEAVY DIODE (Isolated)

MURIDA20020	200	200	100	3300	25	5	1.00	200	150	Dimensions on page.12 
MURIDA20040	400	200	100	3300	25	5	1.30	200	180	
MURIDA200A60	600	200	100	3300	25	5	1.45	200	200	
MURIDA200120	1200	200	100	3300	25	5	2.60	200	200	

300AMP / GLASS PASSIVATED / HEAVY DIODE (Isolated)

MURIDA30020	200	300	100	4400	25	5	1.00	300	180	Dimensions on page.12 
MURIDA30040	400	300	100	4400	25	5	1.30	300	200	
MURIDA300A60	600	300	100	4400	25	5	1.45	300	200	
MURIDA300120	1200	300	100	4400	25	5	2.60	300	250	

T_j and T_{stg} of -55°C to +175°C

I_{FSM} for 25°C

SUPER FAST RECOVERY RECTIFIERS

SOT-227 DEVICES

Part No.	Maximum Recurrent Peak Reverse Voltage	Maximum Average Forward Rectified Current at Per Pak		Peak forward Surge Current 8.3ms Single Half Sine-Wave Superimposed On Rated Load at Per leg	Maximum DC Instantaneous Reverse Current at Per leg @V _{RRM}		Maximum Instantaneous Forward Voltage at Per leg @25°C		Maximum Reverse Recovery Time at Per leg	Package Outline
	V _{RRM}	Io@Tc		IFSM	IR@Tj		VF	IF	Trr	
	V _{PK}	A	°C		@25°C	@150°C				
				A	uA	mA	V	A	ns	

60AMP / GLASS PASSIVATED / SOT-227 (Isolated)

MURI2X30-02A	200	60	125	400	25	3	1.0	30	60	Dimensions on page.13 
MURI2X30-04A	400	60	125	400	25	3	1.3	30	60	
MURI2X30-06A	600	60	125	400	25	3	1.4	30	60	

120AMP / GLASS PASSIVATED / SOT-227 (Isolated)

MURI2X60-02A	200	120	125	900	25	3	1.0	60	75	Dimensions on page.13 
MURI2X60-04A	400	120	125	900	25	3	1.3	60	75	
MURI2X60-06A	600	120	125	900	25	3	1.4	60	90	
MURI2X60-10A	1000	120	125	900	25	3	2.35	60	90	
MURI2X60-12A	1200	120	125	900	25	3	2.35	60	90	

200AMP / GLASS PASSIVATED / SOT-227 (Isolated)

MURI2X100-02A	200	200	125	1600	25	3	1.0	100	75	Dimensions on page.13 
MURI2X100-04A	400	200	125	1600	25	3	1.3	100	90	
MURI2X100-05A	500	200	125	1600	25	3	1.2	100	90	
MURI2X101-06A	600	200	125	1600	25	3	1.35	100	90	
MURI2X100-10A	1000	200	125	1600	25	3	2.35	100	125	
MURI2X100-12A	1200	200	125	1600	25	3	2.35	100	125	

240AMP / GLASS PASSIVATED / SOT-227 (Isolated)

MURI2X120-02A	200	240	100	2100	25	3	1.0	120	100	Dimensions on page.13 
MURI2X120-04A	400	240	100	2100	25	3	1.3	120	100	
MURI2X120-06A	600	240	100	2100	25	3	1.4	120	105	
MURI2X120-10A	1000	240	100	2100	25	3	2.35	120	135	
MURI2X120-12A	1200	240	100	2100	25	3	2.35	120	135	

T_j and T_{stg} of -55°C to +175°C

I_{FSM} for 25°C

SUPER FAST RECOVERY RECTIFIERS

TO-240AA DEVICES

Part No.	Maximum Recurrent Peak Reverse Voltage	Maximum Average Forward Rectified Current at Per Pak		Peak forward Surge Current 8.3ms Single Half Sine-Wave Superimposed On Rated Load at Per leg	Maximum DC Instantaneous Reverse Current at Per leg @V _{RRM}		Maximum Instantaneous Forward Voltage at Per leg @25°C		Maximum Reverse Recovery Time at Per leg	Package Outline
	V _{RRM}	I _o @T _c		I _{FSM}	I _r @T _j		V _F	I _F	T _{rr}	
					@25°C	@125°C				
	V _{PK}	A	°C	A	μA	mA	V	A	ns	

100AMP / GLASS PASSIVATED /TO-240AA (Isolated)

MURTT10020(R)	200	100	140	1300	25	2	1.0	50	75	Dimensions on page.14 
MURTT10040(R)	400	100	140	1300	25	2	1.3	50	75	
MURTT10060(R)	600	100	140	1300	25	2	1.5	50	90	
MURTT100100(R)	1000	100	140	1300	25	2	2.35	50	90	
MURTT100120(R)	1200	100	140	1300	25	2	2.35	50	90	

200AMP / GLASS PASSIVATED /TO-240AA (Isolated)

MURTT20040(R)	400	200	140	2000	25	2	1.3	100	90	Dimensions on page.14 
MURTT20060(R)	600	200	140	2000	25	2	1.5	100	90	
MURTT200100(R)	1000	200	140	2000	25	2	2.35	100	130	
MURTT200120(R)	1200	200	140	2000	25	2	2.35	100	130	

300AMP / GLASS PASSIVATED /TO-240AA (Isolated)

MURTT30040(R)	400	300	125	2750	25	3	1.3	150	100	Dimensions on page.14 
MURTT30060(R)	600	300	125	2750	25	3	1.5	150	105	
MURTT300100(R)	1000	300	125	2750	25	3	2.35	150	135	
MURTT300120(R)	1200	300	125	2750	25	3	2.35	150	135	

400AMP / GLASS PASSIVATED /TO-240AA (Isolated)

MURTT40060(R)	600	400	125	3300	25	3	1.5	200	170	Dimensions on page.14 
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T_j and T_{stg} of -55°C to +175°C

I_{FSM} for 25°C

SUPER FAST RECOVERY RECTIFIERS

TO-240AAC DEVICES

Part No.	Maximum Recurrent Peak Reverse Voltage	Maximum Average Forward Rectified Current at Per Pak		Peak forward Surge Current 8.3ms Single Half Sine-Wave Superimposed On Rated Load at Per leg	Maximum DC Instantaneous Reverse Current at Per leg @V _{RRM}		Maximum Instantaneous Forward Voltage at Per leg @25°C		Maximum Reverse Recovery Time at Per leg	Package Outline
	V _{RRM}	Io@Tc		IFSM	Ir@Tj		VF	IF	Trr	
	V _{PK}	A	°C		@25°C	@125°C				
		A	°C	A	μA	mA	V	A	ns	

100AMP / GLASS PASSIVATED /TO-240AAC (Isolated)

MURTTA10020(R)	200	100	140	1300	25	2	1.0	50	75	Dimensions on page.15 
MURTTA10040(R)	400	100	140	1300	25	2	1.3	50	75	
MURTTA10060(R)	600	100	140	1300	25	2	1.5	50	90	
MURTTA100100(R)	1000	100	140	1300	25	2	2.35	50	90	
MURTTA100120(R)	1200	100	140	1300	25	2	2.35	50	90	

200AMP / GLASS PASSIVATED /TO-240AAC (Isolated)

MURTTA20040(R)	400	200	140	2000	25	2	1.3	100	90	Dimensions on page.15 
MURTTA20060(R)	600	200	140	2000	25	2	1.5	100	90	
MURTTA200100(R)	1000	200	140	2000	25	2	2.35	100	130	
MURTTA200120(R)	1200	200	140	2000	25	2	2.35	100	130	

300AMP / GLASS PASSIVATED /TO-240AAC (Isolated)

MURTTA30040(R)	400	300	125	2750	25	3	1.3	150	100	Dimensions on page.15 
MURTTA30060(R)	600	300	125	2750	25	3	1.5	150	105	
MURTTA300100(R)	1000	300	125	2750	25	3	2.35	150	135	
MURTTA300120(R)	1200	300	125	2750	25	3	2.35	150	135	

400AMP / GLASS PASSIVATED /TO-240AAC (Isolated)

MURTTA40060(R)	600	400	125	3300	25	3	1.5	200	170	Dimensions on page.15 
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T_j and T_{stg} of -55°C to +175°C

I_{FSM} for 25°C

SUPER FAST RECOVERY RECTIFIERS

TWIN TOWER Q DEVICES

Part No.	Maximum Recurrent Peak Reverse Voltage	Maximum Average Forward Rectified Current at Per Pak		Peak forward Surge Current 8.3ms Single Half Sine-Wave Superimposed On Rated Load at Per leg	Maximum DC Instantaneous Reverse Current at Per leg @V _{RRM}		Maximum Instantaneous Forward Voltage at Per leg @25°C		Maximum Reverse Recovery Time at Per leg	Package Outline
	V _{RRM}	Io@Tc		IFSM	Ir@Tj		VF	IF	Trr	
	V _{PK}	A	°C		@25°C	@125°C				
		A	°C	A	uA	mA	V	A	ns	

200AMP / GLASS PASSIVATED / TWIN TOWER Q

MURQ20020CT(R)	200	200	140	2000	25	3	0.95	100	75	Dimensions on page.22 
MURQ200A40CT(R)	400	200	140	2000	25	3	1.10	100	90	
MURQ20040CT(R)	400	200	140	2100	25	3	1.10	100	90	
MURQ200A60CT(R)	600	200	140	2100	25	3	1.15	100	110	
MURQ200120CT(R)	1200	200	140	2100	25	3	1.80	100	125	

300AMP / GLASS PASSIVATED / TWIN TOWER Q

MURQ30020CT(R)	200	300	125	2750	25	3	0.95	150	100	Dimensions on page.22 
MURQ30040CT(R)	400	300	125	2600	25	3	1.10	150	100	
MURQ300A60CT(R)	600	300	125	2600	25	3	1.15	150	105	
MURQ300120CT(R)	1200	300	125	2600	25	3	1.80	150	150	

400AMP / GLASS PASSIVATED / TWIN TOWER Q

MURQ40020CT(R)	200	400	125	3300	25	3	0.95	200	150	Dimensions on page.22 
MURQ40040CT(R)	400	400	125	3300	25	3	1.10	200	180	
MURQ400A60CT(R)	600	400	125	3300	25	3	1.15	200	180	

T_j and T_{stg} of -55°C to +175°C

I_{FSM} for 25°C

SUPER FAST RECOVERY RECTIFIERS

HEAVY THREE TOWER KA(ISOLATED) DEVICES

Part No.	Maximum Recurrent Peak Reverse Voltage	Maximum Average Forward Rectified Current at Per Pak		Peak forward Surge Current 8.3ms Single Half Sine-Wave Superimposed On Rated Load at Per leg	Maximum DC Instantaneous Reverse Current at Per leg @V _{RRM}		Maximum Instantaneous Forward Voltage at Per leg @25°C		Maximum Reverse Recovery Time at Per leg	Package Outline
	V _{RRM}	I _o @T _c		I _{FSM}	I _R @T _j		V _F	I _F	T _{rr}	
	V _{PK}	A	°C		@25°C	@125°C				
				A	uA	mA	V	A	ns	

300AMP / GLASS PASSIVATED / HEAVY THREE TOWER KA(ISOLATED)

MURKA300120(A)(R)	1200	300	100	3500	25	6	2.35	150	180	Dimensions on page.23
										

400AMP / GLASS PASSIVATED / TWIN TOWER Q

MURKA40040(A)(R)	400	400	100	4000	25	5	1.3	200	150	Dimensions on page.23 
MURKA40060(A)(R)	600	400	100	4000	25	5	1.4	200	180	
MURKA400120(A)(R)	1200	400	100	4000	25	6	2.35	200	180	

600AMP / GLASS PASSIVATED / HEAVY THREE TOWER KA(ISOLATED)

MURKA60040(A)(R)	400	600	100	6000	25	5	1.3	300	180	Dimensions on page.23
MURKA60060(A)(R)	600	600	100	6000	25	5	1.4	300	200	
MURKA600120(A)(R)	1200	600	100	6000	25	6	2.35	300	250	
										

800AMP / GLASS PASSIVATED / HEAVY THREE TOWER KA(ISOLATED)

MURKA80040(A)(R)	400	800	100	8000	25	5	1.3	400	220	Dimensions on page.23 
MURKA80060(A)(R)	600	800	100	8000	25	5	1.4	400	230	
MURKA800120(A)(R)	1200	800	100	8000	25	6	2.35	400	260	

T_j and T_{stg} of -55°C to +175°C

I_{FSM} for 25°C

Section C

SCHOTTKY RECTIFIERS

Stud Devices

Part Number	Package	VRRM	IO	IFSM	Page
1N5826(R)~1N5828(R)	DO-4(DO-203AA)	20~40V	15A	500A	C3
1N5832(R)~1N5834(R)	DO-5(DO-203AB)	20~40V	40A	800A	C3
1N6097(R)~1N6098(R)	DO-5(DO-203AB)	30~40V	50A	800A	C3
SD51(R)	DO-5(DO-203AB)	45V	60A	800A	C3
MBR6020(R)~MBR60200(R)	DO-5(DO-203AB)	20~200V	60A	900A	C3
MBR7520(R)~MBR75200(R)	DO-5(DO-203AB)	20~200V	75A	1000A	C3
MBR8020(R)~MBR80200(R)	DO-5(DO-203AB)	20~200V	80A	1000A	C4

Leaded Devices

Part Number	Package	VRRM	IO	IFSM	Page
FST6310M~FST63100M	MINI MOD(D61-3M)	10~100V	60A	600A	C5
FST7320M~FST73100M	MINI MOD(D61-3M)	20~100V	70A	600A	C5
FST8320M~FST83100M	MINI MOD(D61-3M)	20~100V	80A	600A	C5
FST10020~FST100200	POWER MOD(TO-249AA Isolated)	20~200V	100A	1000A	C6
FST12020~FST120200	POWER MOD(TO-249AA Isolated)	20~200V	120A	1000A	C6
FST16020~FST160200	POWER MOD(TO-249AA Isolated)	20~200V	160A	1000A	C6

Half Pack Devices

Part Number	Package	VRRM	IO	IFSM	Page
MBRH12020(R)~MBRH120200(R)	HALF PACK(D-67)	20~200V	120A	2000A	C7
MBRH20020(R)~MBRH201200(R)	HALF PACK(D-67)	20~200V	200A	3000A	C7
MBRH24020(R)~MBRH241200(R)	HALF PACK(D-67)	20~200V	240A	3300A	C7

Twin Tower Device

Part Number	Package	VRRM	IO	IFSM	Page
MBR12020CT (R)~MBR121200CT (R)	TWIN TOWER	20~200V	120A	800A	C8
MBR20020CT (R)~MBR201200CT (R)	TWIN TOWER	20~200V	200A	1500A	C8
MBR30020CT (R)~MBR300200CT (R)	TWIN TOWER	20~200V	300A	2000A	C8
MBR40020CT (R)~MBR401200CT (R)	TWIN TOWER	20~200V	400A	3000A	C9
MBR60020CT (R)~MBR600200CT (R)	TWIN TOWER	20~200V	600A	4000A	C9
MBRA60020CT(R)~MBRA601200CT(R)	HEAVY TWIN TOWER	20~200V	600A	4000A	C10
MBRA80020CT(R)~MBRA801200CT(R)	HEAVY TWIN TOWER	20~200V	800A	6000A	C10

Section C

SCHOTTKY RECTIFIERS

Three Tower Devices (Isolated)

Part Number	Package	VRRM	IO	IFSM	Page
MBRT12020(R)~MBRT120200(R)	THREE TOWER(TO-244AB)	20~200V	120A	800A	C11
MBRT20020(R)~MBRT200200(R)	THREE TOWER(TO-244AB)	20~200V	200A	1500A	C11
MBRT30020(R)~MBRT301200(R)	THREE TOWER(TO-244AB)	20~200V	300A	2000A	C11
MBRT40020(R)~MBRT401200(R)	THREE TOWER(TO-244AB)	20~200V	400A	3000A	C12
MBRT60020(R)~MBRT601200(R)	THREE TOWER(TO-244AB)	20~200V	600A	4000A	C12

Heavy Three Tower Devices (Isolated)

Part Number	Package	VRRM	IO	IFSM	Page
MBRTA60020(R)~MBRTA601200(R)	HEAVY THREE TOWER	20~200V	600A	4000A	C13
MBRTA80020(R)~MBRTA801200(R)	HEAVY THREE TOWER	20~200V	800A	6000A	C13

SOT-227 Devices (Isolated)

Part Number	Package	VRRM	IO	IFSM	Page
MBRI2X30-045A~MBRI2X30-100A	SOT-227	45~100V	60A	500A	C14
MBRI2X50-045A~MBRI2X51-200A	SOT-227	45~200V	100A	750A	C14
MBRI2X60-045A~MBRI2X61-200A	SOT-227	45~200V	120A	800A	C14
MBRI2X80-045A~MBRI2X80-200A	SOT-227	45~200V	160A	900A	C14
MBRI2X100-045A~MBRI2X100-200A	SOT-227	45~200V	200A	1400A	C14
MBRI2X120-045A~MBRI2X121-200A	SOT-227	45~200V	240A	1500A	C15
MBRI2X160-080A~MBRI2X160-200A	SOT-227	80~200V	320A	2000A	C15

TO-240AA Device (Isolated)

Part Number	Package	VRRM	IO	IFSM	Page
MBRTT20020(A)(R)~MBRTT200200(A)(R)	TO-240AA	20~200V	200A	1500A	C16
MBRTT30020(A)(R)~MBRTT300200(A)(R)	TO-240AA	20~200V	300A	2000A	C16
MBRTT40020(A)(R)~MBRTT400200(A)(R)	TO-240AA	20~200V	400A	3000A	C16
MBRTT60020(A)(R)~MBRTT600200(A)(R)	TO-240AA	20~200V	600A	4000A	C16

Twin Tower Q Devices

Part Number	Package	VRRM	IO	IFSM	Page
MBRQ200150CT(R)~MBRQ200200CT(R)	TWIN TOWER Q	150~200V	200A	1500A	C17
MBRQ400100CT(R)~MBRQ401150CT(R)	TWIN TOWER Q	100~150V	400A	3300A	C17
MBRQ600100CT(R)~MBRQ600200CT(R)	TWIN TOWER Q	100~200V	600A	5200A	C17

SCHOTTKY RECTIFIERS

STUD DEVICES

Part No.	Maximum Recurrent Peak Reverse Voltage	Maximum Average Forward Rectified Current		Peak forward Surge Current 8.3ms Single Half Sine-Wave Superimposed On Rated Load	Maximum DC Instantaneous Reverse Current @V _{RRM}		Maximum Instantaneous Forward Voltage @25°C		Package Outline
	V _{RRM}	I _O @T _C		I _{FSM}	I _R @T _j		V _F	I _F	
	V _{PK}	A	°C	A	@25°C mA	@125°C mA	V	A	

15AMP / SCHOTTKY RECTIFIER / DO-4(DO-203AA)

1N5826(R)	20	15	125	500	1	20	0.65	15	Dimensions on page.1 
1N5827(R)	30	15	125	500	1	20	0.65	15	
1N5828(R)	40	15	125	500	1	20	0.65	15	

40AMP / SCHOTTKY RECTIFIER / DO-5(DO-203AB)

1N5832(R)	20	40	125	800	1	20	0.70	40	Dimensions on page.2 
1N5833(R)	30	40	125	800	1	20	0.70	40	
1N5834(R)	40	40	125	800	1	20	0.70	40	

50AMP / SCHOTTKY RECTIFIER / DO-5(DO-203AB)

1N6097(R)	30	50	125	800	1	20	0.70	50	Dimensions on page.2 
1N6098(R)	40	50	125	800	1	20	0.70	50	

60AMP / SCHOTTKY RECTIFIER / DO-5(DO-203AB)

SD51(R)	45	60	125	800	1	20	0.72	60	Dimensions on page.2 
MBR6020(R)	20	60	125	900	1	20	0.72	60	
MBR6030(R)	30	60	125	900	1	20	0.72	60	
MBR6035(R)	35	60	125	900	1	20	0.72	60	
MBR6040(R)	40	60	125	900	1	20	0.72	60	
MBR6045(R)	45	60	125	900	1	20	0.72	60	
MBR6060(R)	60	60	125	900	1	20	0.75	60	
MBR6080(R)	80	60	125	900	1	20	0.84	60	
MBR60100(R)	100	60	125	900	1	20	0.84	60	
MBR60150(R)	150	60	125	900	3	20	0.88	60	
MBR60200(R)	200	60	125	900	3	20	0.92	60	

75AMP / SCHOTTKY RECTIFIER / DO-5(DO-203AB)

MBR7520(R)	20	75	125	1000	1	20	0.75	75	Dimensions on page.2 
MBR7530(R)	30	75	125	1000	1	20	0.75	75	
MBR7535(R)	35	75	125	1000	1	20	0.75	75	
MBR7540(R)	40	75	125	1000	1	20	0.75	75	
MBR7545(R)	45	75	125	1000	1	20	0.75	75	
MBR7560(R)	60	75	125	1000	1	20	0.78	75	
MBR7580(R)	80	75	125	1000	1	20	0.84	75	
MBR75100(R)	100	75	125	1000	1	20	0.84	75	
MBR75150(R)	150	75	125	1000	3	20	0.88	75	
MBR75200(R)	200	75	125	1000	3	20	0.92	75	

T_j and T_{stg} of -55°C to +150°C, I_{FSM} for 25°C

With Suffix R for Stud Reverse Polarity(Anode to Stud)

SCHOTTKY RECTIFIERS

STUD DEVICES

Part No.	Maximum Recurrent Peak Reverse Voltage	Maximum Average Forward Rectified Current		Peak forward Surge Current 8.3ms Single Half Sine-Wave Superimposed On Rated Load	Maximum DC Instantaneous Reverse Current @V _{RRM}		Maximum Instantaneous Forward Voltage @25°C		Package Outline
	V _{RRM}	I _O @T _C		I _{FSM}	I _R @T _J		V _F	I _F	
	V _{PK}	A	°C	A	@25°C mA	@125°C mA	V	A	

80AMP / SCHOTTKY RECTIFIER / DO-5(DO-203AB)

MBR8020(R)	20	80	125	1000	1	20	0.75	80	Dimensions on page.2 
MBR8030(R)	30	80	125	1000	1	20	0.75	80	
MBR8035(R)	35	80	125	1000	1	20	0.75	80	
MBR8040(R)	40	80	125	1000	1	20	0.75	80	
MBR8045(R)	45	80	125	1000	1	20	0.75	80	
MBR8060(R)	60	80	125	1000	1	20	0.78	80	
MBR8080(R)	80	80	125	1000	1	20	0.84	80	
MBR80100(R)	100	80	125	1000	1	20	0.84	80	
MBR80150(R)	150	80	125	1000	3	20	0.88	80	
MBR80200(R)	200	80	125	1000	3	20	0.92	80	

T_J and T_{stg} of -55°C to +150°C

I_{FSM} for 25°C

With Suffix R for Stud Reverse Polarity (Anode to Stud)

SCHOTTKY RECTIFIERS

LEADED DEVICES

Part No.	Maximum Recurrent Peak Reverse Voltage	Maximum Average Forward Rectified Current at Per Pak		Peak forward Surge Current 8.3ms Single Half Sine-Wave Superimposed On Rated Load at Per leg	Maximum DC Instantaneous Reverse Current at Per leg @V _{RRM}		Maximum Instantaneous Forward Voltage at Per leg @25°C		Package Outline
	V _{RRM}	I _O @T _C		I _{FSM}	I _R @T _J		V _F	I _F	
	V _{PK}	A	°C	A	@25°C mA	@125°C mA			

60AMP / SCHOTTKY RECTIFIER / MINI MOD (D61-3M)

FST6310M	10	60	125	600	1	20	0.70	30	Dimensions on page.5 
FST6315M	15	60	125	600	1	20	0.70	30	
FST6320M	20	60	125	600	1	20	0.70	30	
FST6330M	30	60	125	600	1	20	0.70	30	
FST6340M	40	60	125	600	1	20	0.70	30	
FST6345M	45	60	125	600	1	20	0.70	30	
FST6360M	60	60	125	600	1	20	0.75	30	
FST6380M	80	60	125	600	1	20	0.84	30	
FST63100M	100	60	125	600	1	20	0.84	30	

70AMP / SCHOTTKY RECTIFIER / MINI MOD (D61-3M)

FST7320M	20	70	125	600	1	20	0.70	35	Dimensions on page.5 
FST7330M	30	70	125	600	1	20	0.70	35	
FST7335M	35	70	125	600	1	20	0.70	35	
FST7340M	40	70	125	600	1	20	0.70	35	
FST7345M	45	70	125	600	1	20	0.70	35	
FST7360M	60	70	125	600	1	20	0.75	35	
FST7380M	80	70	125	600	1	20	0.84	35	
FST73100M	100	70	125	600	1	20	0.84	35	

80AMP / SCHOTTKY RECTIFIER / MINI MOD (D61-3M)

FST8320M	20	80	125	600	1	20	0.72	40	Dimensions on page.5 
FST8330M	30	80	125	600	1	20	0.72	40	
FST8335M	35	80	125	600	1	20	0.72	40	
FST8340M	40	80	125	600	1	20	0.72	40	
FST8345M	45	80	125	600	1	20	0.72	40	
FST8360M	60	80	125	600	1	20	0.78	40	
FST8380M	80	80	125	600	1	20	0.84	40	
FST83100M	100	80	125	600	1	20	0.84	40	

T_J and T_{stg} of -55°C to +150°C

I_{FSM} for 25°C

SCHOTTKY RECTIFIERS

LEADED DEVICES

Part No.	Maximum Recurrent Peak Reverse Voltage	Maximum Average Forward Rectified Current at Per Pak		Peak forward Surge Current 8.3ms Single Half Sine-Wave Superimposed On Rated Load at Per leg	Maximum DC Instantaneous Reverse Current at Per leg @V _{RRM}		Maximum Instantaneous Forward Voltage at Per leg @25°C		Package Outline
	V _{RRM}	I _O @T _C		I _{FSM}	I _R @T _J		V _F	I _F	
	V _{PK}	A	°C	A	@25°C mA	@125°C mA	V	A	

100AMP / SCHOTTKY RECTIFIER / POWER MOD (TO-249AA Isolated)

FST10020	20	100	125	1000	1	20	0.70	50	Dimensions o page.6 
FST10030	30	100	125	1000	1	20	0.70	50	
FST10035	35	100	125	1000	1	20	0.70	50	
FST10040	40	100	125	1000	1	20	0.70	50	
FST10045	45	100	125	1000	1	20	0.70	50	
FST10060	60	100	125	1000	1	20	0.75	50	
FST10080	80	100	125	1000	1	20	0.84	50	
FST100100	100	100	125	1000	1	20	0.84	50	
FST100150	150	100	125	1000	3	20	0.88	50	
FST100200	200	100	125	1000	3	20	0.92	50	

120AMP / SCHOTTKY RECTIFIER / POWER MOD (TO-249AA Isolated)

FST12020	20	120	125	1000	1	20	0.70	60	Dimensions on page.6 
FST12030	30	120	125	1000	1	20	0.70	60	
FST12035	35	120	125	1000	1	20	0.70	60	
FST12040	40	120	125	1000	1	20	0.70	60	
FST12045	45	120	125	1000	1	20	0.70	60	
FST12060	60	120	125	1000	1	20	0.75	60	
FST12080	80	120	125	1000	1	20	0.84	60	
FST120100	100	120	125	1000	1	20	0.84	60	
FST120150	150	120	125	1000	3	20	0.88	60	
FST120200	200	120	125	1000	3	20	0.92	60	

160AMP / SCHOTTKY RECTIFIER / POWER MOD (TO-249AA Isolated)

FST16020	20	160	125	1000	1	20	0.75	80	Dimensions on page.6 
FST16030	30	160	125	1000	1	20	0.75	80	
FST16035	35	160	125	1000	1	20	0.75	80	
FST16040	40	160	125	1000	1	20	0.75	80	
FST16045	45	160	125	1000	1	20	0.75	80	
FST16060	60	160	125	1000	1	20	0.80	80	
FST16080	80	160	125	1000	1	20	0.84	80	
FST160100	100	160	125	1000	1	20	0.84	80	
FST160150	150	160	125	1000	3	20	0.88	80	
FST160200	200	160	125	1000	3	20	0.92	80	

T_J and T_{stg} of -55°C to +150°C

I_{FSM} for 25°C

SCHOTTKY RECTIFIERS

HALF PACK DEVICES

Part No.	Maximum Recurrent Peak Reverse Voltage	Maximum Average Forward Rectified Current		Peak forward Surge Current 8.3ms Single Half Sine-Wave Superimposed On Rated Load	Maximum DC Instantaneous Reverse Current @V _{RRM}		Maximum Instantaneous Forward Voltage @25°C		Package Outline
	V _{RRM}	Io@Tc		IFSM	Ir@Tj		VF	IF	
					@25°C	@125°C			
	V _{PK}	A	°C	A	mA	mA	V	A	

120AMP / SCHOTTKY RECTIFIER / HALF PACK (D-67)

MBRH12020(R)	20	120	125	2000	1	20	0.70	120	Dimensions on page.7 
MBRH12030(R)	30	120	125	2000	1	20	0.70	120	
MBRH12035(R)	35	120	125	2000	1	20	0.70	120	
MBRH12040(R)	40	120	125	2000	1	20	0.70	120	
MBRH12045(R)	45	120	125	2000	1	20	0.70	120	
MBRH12060(R)	60	120	125	2000	1	20	0.75	120	
MBRH12080(R)	80	120	125	2000	1	20	0.84	120	
MBRH120100(R)	100	120	125	2000	1	20	0.84	120	
MBRH120150(R)	150	120	125	2000	3	20	0.88	120	
MBRH120200(R)	200	120	125	2000	3	20	0.92	120	

200AMP / SCHOTTKY RECTIFIER / HALF PACK (D-67)

MBRH20020(R)	20	200	125	3000	1	20	0.70	200	Dimensions on page.7 
MBRH20030(R)	30	200	125	3000	1	20	0.70	200	
MBRH20035(R)	35	200	125	3000	1	20	0.70	200	
MBRH20040(R)	40	200	125	3000	1	20	0.70	200	
MBRH20045(R)	45	200	125	3000	1	20	0.70	200	
MBRH20060(R)	60	200	125	3000	1	20	0.75	200	
MBRH20080(R)	80	200	125	3000	1	20	0.84	200	
MBRH200100(R)	100	200	125	3000	1	20	0.84	200	
MBRH200150(R)	150	200	125	3000	3	20	0.88	200	
MBRH201200(R)	200	200	125	3000	3	20	0.90	200	

240AMP / SCHOTTKY RECTIFIER / HALF PACK (D-67)

MBRH24020(R)	20	240	125	3300	1	20	0.72	240	Dimensions on page.7 
MBRH24030(R)	30	240	125	3300	1	20	0.72	240	
MBRH24035(R)	35	240	125	3300	1	20	0.72	240	
MBRH24040(R)	40	240	125	3300	1	20	0.72	240	
MBRH24045(R)	45	240	125	3300	1	20	0.72	240	
MBRH24060(R)	60	240	125	3300	1	20	0.78	240	
MBRH24080(R)	80	240	125	3300	1	20	0.84	240	
MBRH240100(R)	100	240	125	3300	1	20	0.84	240	
MBRH240150(R)	150	240	125	3300	3	20	0.88	240	
MBRH241200(R)	200	240	125	3300	3	20	0.90	240	

T_j and T_{stg} of -55°C to +150°C

IFSM for 25°C

With Suffix " R " for Common Anode to baseplate

SCHOTTKY RECTIFIERS

TWIN TOWER DEVICES

Part No.	Maximum Recurrent Peak Reverse Voltage	Maximum Average Forward Rectified Current at Per Pak		Peak forward Surge Current 8.3ms Single Half Sine-Wave Superimposed On Rated Load at Per leg	Maximum DC Instantaneous Reverse Current at Per leg @V _{RRM}		Maximum Instantaneous Forward Voltage at Per leg @25°C		Package Outline
	V _{RRM}	I _o @T _c		I _{FSM}	I _R @T _j		V _F	I _F	
	V _{PK}	A	°C	A	@25°C mA	@125°C mA	V	A	

120AMP / SCHOTTKY RECTIFIER / TWIN TOWER

MBR12020CT(R)	20	120	125	800	1	20	0.70	60	Dimensions on page.8 
MBR12030CT(R)	30	120	125	800	1	20	0.70	60	
MBR12035CT(R)	35	120	125	800	1	20	0.70	60	
MBR12040CT(R)	40	120	125	800	1	20	0.70	60	
MBR12045CT(R)	45	120	125	800	1	20	0.70	60	
MBR12060CT(R)	60	120	125	800	1	20	0.75	60	
MBR12080CT(R)	80	120	125	800	1	20	0.84	60	
MBR120100CT(R)	100	120	125	800	1	20	0.84	60	
MBR120150CT(R)	150	120	125	800	3	20	0.88	60	
MBR121200CT(R)	200	120	125	800	3	20	0.92	60	

200AMP / SCHOTTKY RECTIFIER / TWIN TOWER

MBR20020CT(R)	20	200	125	1500	1	20	0.70	100	Dimensions on page.8 
MBR20030CT(R)	30	200	125	1500	1	20	0.70	100	
MBR20035CT(R)	35	200	125	1500	1	20	0.70	100	
MBR20040CT(R)	40	200	125	1500	1	20	0.70	100	
MBR20045CT(R)	45	200	125	1500	1	20	0.70	100	
MBR20060CT(R)	60	200	125	1500	1	20	0.75	100	
MBR20080CT(R)	80	200	125	1500	1	20	0.84	100	
MBR200100CT(R)	100	200	125	1500	1	20	0.84	100	
MBR200150CT(R)	150	200	125	1500	3	20	0.88	100	
MBR201200CT(R)	200	200	125	1500	3	20	0.90	100	

300AMP / SCHOTTKY RECTIFIER / TWIN TOWER

MBR30020CT(R)	20	300	125	2000	1	20	0.70	150	Dimensions on page.8 
MBR30030CT(R)	30	300	125	2000	1	20	0.70	150	
MBR30035CT(R)	35	300	125	2000	1	20	0.70	150	
MBR30040CT(R)	40	300	125	2000	1	20	0.70	150	
MBR30045CT(R)	45	300	125	2000	1	20	0.70	150	
MBR30060CT(R)	60	300	125	2000	1	20	0.75	150	
MBR30080CT(R)	80	300	125	2000	1	20	0.84	150	
MBR300100CT(R)	100	300	125	2000	1	20	0.84	150	
MBR300150CT(R)	150	300	125	2000	3	20	0.88	150	
MBR300200CT(R)	200	300	125	2000	3	20	0.92	150	

T_j and T_{stg} of -55°C to +150°C

I_{FSM} for 25°C

With Suffix "R" for Common Anode to baseplate

SCHOTTKY RECTIFIERS

TWIN TOWER DEVICES

Part No.	Maximum Recurrent Peak Reverse Voltage	Maximum Average Forward Rectified Current at Per Pak		Peak forward Surge Current 8.3ms Single Half Sine-Wave Superimposed On Rated Load at Per leg	Maximum DC Instantaneous Reverse Current at Per leg @V _{RRM}		Maximum Instantaneous Forward Voltage at Per leg @25°C		Package Outline
	V _{RRM}	I _O @T _C		I _{FSM}	I _R @T _J		V _F	I _F	
	V _{PK}	A	°C	A	@25°C mA	@125°C mA	V	A	

400AMP / SCHOTTKY RECTIFIER / TWIN TOWER

MBR40020CT(R)	20	400	125	3000	1	20	0.70	200	Dimensions on page.8 
MBR40030CT(R)	30	400	125	3000	1	20	0.70	200	
MBR40035CT(R)	35	400	125	3000	1	20	0.70	200	
MBR40040CT(R)	40	400	125	3000	1	20	0.70	200	
MBR40045CT(R)	45	400	125	3000	1	20	0.70	200	
MBR40060CT(R)	60	400	125	3000	1	20	0.75	200	
MBR40080CT(R)	80	400	125	3000	1	20	0.84	200	
MBR400100CT(R)	100	400	125	3000	1	20	0.84	200	
MBR400150CT(R)	150	400	125	3000	3	20	0.88	200	
MBR400200CT(R)	200	400	125	3000	3	20	0.92	200	

600AMP / SCHOTTKY RECTIFIER / TWIN TOWER

MBR60120CT(R)	20	600	125	4800	1	20	0.90	300	Dimensions on page.8 
MBR60030CT(R)	30	600	125	4000	1	20	0.75	300	
MBR60035CT(R)	35	600	125	4000	1	20	0.75	300	
MBR60040CT(R)	40	600	125	4000	1	20	0.75	300	
MBR60045CT(R)	45	600	125	4000	1	20	0.75	300	
MBR60060CT(R)	60	600	125	4000	1	20	0.80	300	
MBR60080CT(R)	80	600	125	4000	1	20	0.84	300	
MBR600100CT(R)	100	600	125	4000	1	20	0.84	300	
MBR600150CT(R)	150	600	125	4000	4	20	0.88	300	
MBR600200CT(R)	200	600	125	4800	4	20	0.92	300	
MBR601200CT(R)	200	600	125	4800	4	20	0.90	300	

T_J and T_{stg} of -55°C to +150°C

I_{FSM} for 25°C "

With Suffix 'R' for Common Anode to baseplate

SCHOTTKY RECTIFIERS

HEAVY TWIN TOWER DEVICES

Part No.	Maximum Recurrent Peak Reverse Voltage	Maximum Average Forward Rectified Current at Per Pak		Peak forward Surge Current 8.3ms Single Half Sine-Wave Superimposed On Rated Load at Per leg	Maximum DC Instantaneous Reverse Current at Per leg @V _{RRM}		Maximum Instantaneous Forward Voltage at Per leg @25°C		Package Outline
	V _{RRM}	I _o @T _c		I _{FSM}	I _R @T _j		V _F	I _F	
	V _{PK}	A	°C	A	@25°C mA	@125°C mA	V	A	

600AMP / SCHOTTKY RECTIFIER / HEAVY TWIN TOWER

MBRA60020CT(R)	20	600	100	4000	1	30	0.70	300	Dimensions on page.9 
MBRA60030CT(R)	30	600	100	4000	1	30	0.70	300	
MBRA60035CT(R)	35	600	100	4000	1	30	0.70	300	
MBRA60040CT(R)	40	600	100	4000	1	30	0.70	300	
MBRA60045CT(R)	45	600	100	4000	1	30	0.70	300	
MBRA60060CT(R)	60	600	100	4000	1	30	0.75	300	
MBRA60080CT(R)	80	600	100	4000	1	30	0.84	300	
MBRA600100CT(R)	100	600	100	4000	1	30	0.84	300	
MBRA600150CT(R)	150	600	100	4000	4	30	0.88	300	
MBRA601200CT(R)	200	600	100	4800	4	30	0.90	300	

800AMP / SCHOTTKY RECTIFIER / HEAVY TWIN TOWER

MBRA80020CT(R)	20	800	100	6000	1	30	0.72	400	Dimensions on page.9 
MBRA80030CT(R)	30	800	100	6000	1	30	0.72	400	
MBRA80035CT(R)	35	800	100	6000	1	30	0.72	400	
MBRA80040CT(R)	40	800	100	6000	1	30	0.72	400	
MBRA80045CT(R)	45	800	100	6000	1	30	0.72	400	
MBRA80060CT(R)	60	800	100	6000	1	30	0.78	400	
MBRA80080CT(R)	80	800	100	6000	1	30	0.84	400	
MBRA800100CT(R)	100	800	100	6000	1	30	0.84	400	
MBRA800150CT(R)	150	800	100	6000	5	30	0.88	400	
MBRA801200CT(R)	200	800	100	6200	5	30	0.91	400	

T_j and T_{stg} of -55°C to +150°C

IFSM for 25°C

With Suffix " R " for Common Anode to baseplate

SCHOTTKY RECTIFIERS

THREE TOWER DEVICES

Part No.	Maximum Recurrent Peak Reverse Voltage	Maximum Average Forward Rectified Current at Per Pak		Peak forward Surge Current 8.3ms Single Half Sine-Wave Superimposed On Rated Load at Per leg	Maximum DC Instantaneous Reverse Current at Per leg @V _{RRM}		Maximum Instantaneous Forward Voltage at Per leg @25°C		Package Outline
	V _{RRM}	I _o @T _c		I _{FSM}	I _R @T _j		V _F	I _F	
	V _{PK}	A	°C	A	@25°C mA	@125°C mA	V	A	

120AMP / SCHOTTKY RECTIFIER / THREE TOWER (TO-244AB Isolated)

MBRT12020(R)	20	120	125	800	1	20	0.70	60	Dimensions on page.10 
MBRT12030(R)	30	120	125	800	1	20	0.70	60	
MBRT12035(R)	35	120	125	800	1	20	0.70	60	
MBRT12040(R)	40	120	125	800	1	20	0.70	60	
MBRT12045(R)	45	120	125	800	1	20	0.70	60	
MBRT12060(R)	60	120	125	800	1	20	0.75	60	
MBRT12080(R)	80	120	125	800	1	20	0.84	60	
MBRT120100(R)	100	120	125	800	1	20	0.84	60	
MBRT120150(R)	150	120	125	800	3	20	0.88	60	
MBRT120200(R)	200	120	125	800	3	20	0.92	60	

200AMP / SCHOTTKY RECTIFIER / THREE TOWER (TO-244AB Isolated)

MBRT20020(R)	20	200	125	1500	1	20	0.70	100	Dimensions on page.10 
MBRT20030(R)	30	200	125	1500	1	20	0.70	100	
MBRT20035(R)	35	200	125	1500	1	20	0.70	100	
MBRT20040(R)	40	200	125	1500	1	20	0.70	100	
MBRT20045(R)	45	200	125	1500	1	20	0.70	100	
MBRT20060(R)	60	200	125	1500	1	20	0.75	100	
MBRT20080(R)	80	200	125	1500	1	20	0.84	100	
MBRT200100(R)	100	200	125	1500	1	20	0.84	100	
MBRT200150(R)	150	200	125	1500	3	20	0.88	100	
MBRT200200(R)	200	200	125	1500	3	20	0.92	100	

300AMP / SCHOTTKY RECTIFIER / THREE TOWER (TO-244AB Isolated)

MBRT30020(R)	20	300	125	2000	1	20	0.70	150	Dimensions on page.10 
MBRT30030(R)	30	300	125	2000	1	20	0.70	150	
MBRT30035(R)	35	300	125	2000	1	20	0.70	150	
MBRT30040(R)	40	300	125	2000	1	20	0.70	150	
MBRT30045(R)	45	300	125	2000	1	20	0.70	150	
MBRT30060(R)	60	300	125	2000	1	20	0.75	150	
MBRT30080(R)	80	300	125	2000	1	20	0.84	150	
MBRT300100(R)	100	300	125	2000	1	20	0.84	150	
MBRT300150(R)	150	300	125	2000	3	20	0.88	150	
MBRT301200(R)	200	300	125	2000	3	20	0.90	150	

T_j and T_{stg} of -55°C to +150°C

I_{FSM} for 25°C

SCHOTTKY RECTIFIERS

THREE TOWER DEVICES

Part No.	Maximum Recurrent Peak Reverse Voltage	Maximum Average Forward Rectified Current at Per Pak		Peak forward Surge Current 8.3ms Single Half Sine-Wave Superimposed On Rated Load at Per leg	Maximum DC Instantaneous Reverse Current at Per leg @V _{RRM}		Maximum Instantaneous Forward Voltage at Per leg @25°C		Package Outline
	V _{RRM}	I _o @T _c		I _{FSM}	I _R @T _j		V _F	I _F	
	V _{PK}	A	°C	A	@25°C mA	@125°C mA	V	A	

400AMP / SCHOTTKY RECTIFIER / THREE TOWER (TO-244AB Isolated)

MBRT40020(R)	20	400	125	3000	1	20	0.70	200	Dimensions on page.10 
MBRT40030(R)	30	400	125	3000	1	20	0.70	200	
MBRT40035(R)	35	400	125	3000	1	20	0.70	200	
MBRT40040(R)	40	400	125	3000	1	20	0.70	200	
MBRT40045(R)	45	400	125	3000	1	20	0.70	200	
MBRT40060(R)	60	400	125	3000	1	20	0.75	200	
MBRT40080(R)	80	400	125	3000	1	20	0.84	200	
MBRT400100(R)	100	400	125	3000	1	20	0.84	200	
MBRT400150(R)	150	400	125	3000	3	20	0.88	200	
MBRT401200(R)	200	400	125	3000	3	20	0.90	200	

600AMP / SCHOTTKY RECTIFIER / THREE TOWER (TO-244AB Isolated)

MBRT60020(R)	20	600	125	4000	1	20	0.75	300	Dimensions on page.10 
MBRT60030(R)	30	600	125	4000	1	20	0.75	300	
MBRT60035(R)	35	600	125	4000	1	20	0.75	300	
MBRT60040(R)	40	600	125	4000	1	20	0.75	300	
MBRT60045(R)	45	600	125	4000	1	20	0.75	300	
MBRT60060(R)	60	600	125	4000	1	20	0.80	300	
MBRT60080(R)	80	600	125	4000	1	20	0.84	300	
MBRT600100(R)	100	600	125	4000	1	20	0.84	300	
MBRT600150(R)	150	600	125	4000	4	20	0.88	300	
MBRT600200(R)	200	600	125	4800	4	20	0.92	300	

T_j and T_{stg} of -55°C to +150°C

I_{FSM} for 25°C

SCHOTTKY RECTIFIERS

HEAVY THREE TOWER DEVICES

Part No.	Maximum Recurrent Peak Reverse Voltage	Maximum Average Forward Rectified Current at Per Pak		Peak forward Surge Current 8.3ms Single Half Sine-Wave Superimposed On Rated Load at Per leg	Maximum DC Instantaneous Reverse Current at Per leg @V _{RRM}		Maximum Instantaneous Forward Voltage at Per leg @25°C		Package Outline
	V _{RRM}	I _o @T _c		I _{FSM}	I _R @T _j		V _F	I _F	
	V _{PK}	A	°C	A	@25°C mA	@125°C mA	V	A	

600AMP / SCHOTTKY RECTIFIER / THREE TOWER (Isolated)

MBRTA60020(R)	20	600	100	4000	1	20	0.70	300	Dimensions on page.11 
MBRTA60030(R)	30	600	100	4000	1	20	0.70	300	
MBRTA60035(R)	35	600	100	4000	1	20	0.70	300	
MBRTA60040(R)	40	600	100	4000	1	20	0.70	300	
MBRTA60045(R)	45	600	100	4000	1	20	0.70	300	
MBRTA60060(R)	60	600	100	4000	1	20	0.75	300	
MBRTA600100(R)	100	600	100	4000	1	20	0.84	300	
MBRTA600150(R)	150	600	100	4000	4	20	0.88	300	
MBRTA601200(R)	200	600	100	4800	6	20	0.9	300	

800AMP / SCHOTTKY RECTIFIER / THREE TOWER (Isolated)

MBRTA80020(R)	20	800	100	6000	1	30	0.72	400	Dimensions on page.11 
MBRTA80030(R)	30	800	100	6000	1	30	0.72	400	
MBRTA80035(R)	35	800	100	6000	1	30	0.72	400	
MBRTA80040(R)	40	800	100	6000	1	30	0.72	400	
MBRTA80045(R)	45	800	100	6000	1	30	0.72	400	
MBRTA80060(R)	60	800	100	6000	1	30	0.78	400	
MBRTA801100(R)	100	800	100	6200	1	30	0.82	400	
MBRTA801150(R)	150	800	100	6200	5	30	0.86	400	
MBRTA801200(R)	200	800	100	6200	5	30	0.91	400	

T_j and T_{stg} of -55°C to +150°C

I_{FSM} for 25°C

SCHOTTKY RECTIFIERS

SOT-227 DEVICES

Part No.	Maximum Recurrent Peak Reverse Voltage	Maximum Average Forward Rectified Current at Per Pak		Peak forward Surge Current 8.3ms Single Half Sine-Wave Superimposed On Rated Load at Per leg	Maximum DC Instantaneous Reverse Current at Per leg @V _{RRM}		Maximum Instantaneous Forward Voltage at Per leg @125°C		Package Outline
	V _{RRM}	I _o @T _c		I _{FSM}	I _R @T _j		V _F	I _F	
	V _{PK}	A	°C	A	@25°C mA	@125°C mA	V	A	

60AMP / SCHOTTKY RECTIFIER / SOT-227 (Isolated)

MBRI2X30-045A	45	60	110	500	1	20	0.66	30	Dimensions on page.13 
MBRI2X30-060A	60	60	110	500	1	20	0.70	30	
MBRI2X30-080A	80	60	110	500	1	20	0.75	30	
MBRI2X30-100A	100	60	110	500	1	20	0.75	30	

100AMP / SCHOTTKY RECTIFIER / SOT-227 (Isolated)

MBRI2X50-045A	45	100	110	750	1	20	0.62	50	Dimensions on page.13 
MBRI2X50-060A	60	100	110	750	1	20	0.65	50	
MBRI2X50-080A	80	100	110	750	1	20	0.67	50	
MBRI2X50-100A	100	100	110	750	1	20	0.70	50	
MBRI2X51-120A	120	100	110	750	3	20	0.75	50	
MBRI2X51-150A	150	100	110	750	3	20	0.75	50	
MBRI2X51-180A	180	100	110	750	3	20	0.80	50	
MBRI2X51-200A	200	100	110	750	3	20	0.80	50	

120AMP / SCHOTTKY RECTIFIER / SOT-227 (Isolated)

MBRI2X60-045A	45	120	110	800	1	20	0.64	60	Dimensions on page.13 
MBRI2X60-060A	60	120	110	800	1	20	0.70	60	
MBRI2X60-080A	80	120	110	800	1	20	0.73	60	
MBRI2X60-100A	100	120	110	800	1	20	0.74	60	
MBRI2X61-120A	120	120	110	800	3	20	0.80	60	
MBRI2X61-150A	150	120	110	800	3	20	0.80	60	
MBRI2X61-180A	180	120	110	800	3	20	0.82	60	
MBRI2X61-200A	200	120	110	800	3	20	0.82	60	

160AMP / SCHOTTKY RECTIFIER / SOT-227 (Isolated)

MBRI2X80-045A	45	160	110	900	1	20	0.62	80	Dimensions on page.13 
MBRI2X80-060A	60	160	110	900	1	20	0.70	80	
MBRI2X80-080A	80	160	110	900	1	20	0.73	80	
MBRI2X80-100A	100	160	110	900	1	20	0.75	80	
MBRI2X80-120A	120	160	110	900	3	20	0.76	80	
MBRI2X80-150A	150	160	110	900	3	20	0.76	80	
MBRI2X80-180A	180	160	110	900	3	20	0.80	80	
MBRI2X80-200A	200	160	110	900	3	20	0.80	80	

200AMP / SCHOTTKY RECTIFIER / SOT-227

MBRI2X100-045A	45	200	110	1400	1	20	0.63	100	Dimensions on page.13 
MBRI2X100-060A	60	200	110	1400	1	20	0.70	100	
MBRI2X100-080A	80	200	110	1400	1	20	0.73	100	
MBRI2X100-100A	100	200	110	1400	1	20	0.75	100	
MBRI2X100-120A	120	200	110	1400	3	20	0.77	100	
MBRI2X100-150A	150	200	110	1400	3	20	0.77	100	
MBRI2X100-180A	180	200	110	1400	3	20	0.82	100	
MBRI2X100-200A	200	200	110	1400	3	20	0.82	100	

T_j and T_{stg} of -40°C to +150°C

I_{FSM} for 25°C

SCHOTTKY RECTIFIERS

SOT-227 DEVICES

Part No.	Maximum Recurrent Peak Reverse Voltage	Maximum Average Forward Rectified Current at Per Pak		Peak forward Surge Current 8.3ms Single Half Sine-Wave Superimposed On Rated Load at Per leg	Maximum DC Instantaneous Reverse Current at Per leg @V _{RRM}		Maximum Instantaneous Forward Voltage at Per leg @125°C		Package Outline
	V _{RRM}	I _o @T _C		I _{FSM}	I _R @T _j		V _F	I _F	
	V _{PK}	A	°C	A	mA	mA	V	A	

240AMP / SCHOTTKY RECTIFIER / SOT-227 (Isolated)

MBRI2X120-045A	45	240	110	1500	1	20	0.64	120	Dimensions on page.13 
MBRI2X120-060A	60	240	110	1500	1	20	0.70	120	
MBRI2X120-080A	80	240	110	1500	1	20	0.73	120	
MBRI2X120-100A	100	240	110	1500	1	20	0.75	120	
MBRI2X121-120A	120	240	110	1500	3	20	0.80	120	
MBRI2X121-150A	150	240	110	1500	3	20	0.80	120	
MBRI2X121-180A	180	240	110	1500	3	20	0.82	120	
MBRI2X121-200A	200	240	110	1500	3	20	0.82	120	

320AMP / SCHOTTKY RECTIFIER / SOT-227 (Isolated)

MBRI2X160-080A	80	320	110	2000	1	20	0.73	160	Dimensions on page.13 
MBRI2X160-100A	100	320	110	2000	1	20	0.75	160	
MBRI2X160-120A	120	320	110	2000	3	20	0.80	160	
MBRI2X160-150A	150	320	110	2000	3	20	0.80	160	
MBRI2X160-180A	180	320	110	2000	3	20	0.82	160	
MBRI2X160-200A	200	320	110	2000	3	20	0.82	160	

T_j and T_{stg} of -40°C to +150°C

I_{FSM} for 25°C

SCHOTTKY RECTIFIERS

TO-240AA DEVICES

Part No.	Maximum Recurrent Peak Reverse Voltage	Maximum Average Forward Rectified Current at Per Pak		Peak forward Surge Current 8.3ms Single Half Sine-Wave Superimposed On Rated Load at Per leg	Maximum DC Instantaneous Reverse Current at Per leg @V _{RRM}		Maximum Instantaneous Forward Voltage at Per leg @25°C		Package Outline
	V _{RRM}	I _o @T _c		I _{FSM}	I _R @T _j		V _F	I _F	
	V _{PK}	A	°C	A	@25°C mA	@125°C mA	V	A	

200AMP / SCHOTTKY RECTIFIER / TO-240AA (Isolated)

MBRTT20020(A)(R)	20	200	125	1500	1	20	0.7	100	Dimensions on page.14 
MBRTT20030(A)(R)	30	200	125	1500	1	20	0.7	100	
MBRTT20035(A)(R)	35	200	125	1500	1	20	0.7	100	
MBRTT20040(A)(R)	40	200	125	1500	1	20	0.7	100	
MBRTT20045(A)(R)	45	200	125	1500	1	20	0.7	100	
MBRTT20060(A)(R)	60	200	125	1500	1	20	0.75	100	
MBRTT200100(A)(R)	100	200	125	1500	1	20	0.84	100	
MBRTT200150(A)(R)	150	200	125	1500	3	20	0.88	100	
MBRTT200200(A)(R)	200	200	125	1500	3	20	0.92	100	

300AMP / SCHOTTKY RECTIFIER / TO-240AA (Isolated)

MBRTT30020(A)(R)	20	300	125	2000	1	20	0.7	150	Dimensions on page.14 
MBRTT30030(A)(R)	30	300	125	2000	1	20	0.7	150	
MBRTT30035(A)(R)	35	300	125	2000	1	20	0.7	150	
MBRTT30040(A)(R)	40	300	125	2000	1	20	0.7	150	
MBRTT30045(A)(R)	45	300	125	2000	1	20	0.7	150	
MBRTT30060(A)(R)	60	300	125	2000	1	20	0.75	150	
MBRTT300100(A)(R)	100	300	125	2000	1	20	0.84	150	
MBRTT300150(A)(R)	150	300	125	2000	3	20	0.88	150	
MBRTT300200(A)(R)	200	300	125	2000	3	20	0.92	150	

400AMP / SCHOTTKY RECTIFIER / TO-240AA (Isolated)

MBRTT40020(A)(R)	20	400	125	3000	1	20	0.7	200	Dimensions on page.14 
MBRTT40030(A)(R)	30	400	125	3000	1	20	0.7	200	
MBRTT40035(A)(R)	35	400	125	3000	1	20	0.7	200	
MBRTT40040(A)(R)	40	400	125	3000	1	20	0.7	200	
MBRTT40045(A)(R)	45	400	125	3000	1	20	0.7	200	
MBRTT40060(A)(R)	60	400	125	3000	1	20	0.75	200	
MBRTT400100(A)(R)	100	400	125	3000	1	20	0.84	200	
MBRTT400150(A)(R)	150	400	125	3000	4	20	0.88	200	
MBRTT400200(A)(R)	200	400	125	3000	4	20	0.92	200	

600AMP / SCHOTTKY RECTIFIER / TO-240AA (Isolated)

MBRTT60020(A)(R)	20	600	125	4000	1	20	0.75	300	Dimensions on page.14 
MBRTT60030(A)(R)	30	600	125	4000	1	20	0.75	300	
MBRTT60035(A)(R)	30	600	125	4000	1	20	0.75	300	
MBRTT60040(A)(R)	40	600	125	4000	1	20	0.75	300	
MBRTT60045(A)(R)	45	600	125	4000	1	20	0.75	300	
MBRTT60060(A)(R)	60	600	125	4000	1	20	0.8	300	
MBRTT600100(A)(R)	100	600	125	4000	1	20	0.84	300	
MBRTT600150(A)(R)	150	600	125	4000	5	20	0.88	300	
MBRTT600200(A)(R)	200	600	125	4000	5	20	0.92	300	

T_j and T_{stg} of -55°C to +150°C

I_{FSM} for 25°C

SCHOTTKY RECTIFIERS

TWIN TOWER Q DEVICES

Part No.	Maximum Recurrent Peak Reverse Voltage	Maximum Average Forward Rectified Current at Per Pak		Peak forward Surge Current 8.3ms Single Half Sine-Wave Superimposed On Rated Load at Per leg	Maximum DC Instantaneous Reverse Current at Per leg @V _{RRM}		Maximum Instantaneous Forward Voltage at Per leg @25°C		Package Outline
	V _{RRM}	I _o @T _c		I _{FSM}	I _R @T _j		V _F	I _F	
	V _{PK}	A	°C	A	@25°C mA	@125°C mA	V	A	

200AMP / SCHOTTKY RECTIFIER / TWIN TOWER Q

MBRQ200150CT(R)	150	200	125	1500	3	20	0.88	100	Dimensions on page.22 
MBRQ200200CT(R)	200	200	125	1500	3	20	0.92	100	

400AMP / SCHOTTKY RECTIFIER / TWIN TOWER Q

MBRQ400100CT(R)	100	400	125	3000	1	20	0.84	200	Dimensions on page.22 
MBRQ401100CT(R)	100	400	125	3300	1	20	0.80	200	
MBRQ401150CT(R)	150	400	125	3300	4	20	0.86	200	

600AMP / SCHOTTKY RECTIFIER / TWIN TOWER Q

MBRQ600100CT(R)	100	600	125	4000	1	20	0.84	300	Dimensions on page.22 
MBRQ601100CT(R)	100	600	125	5200	1	20	0.80	300	
MBRQ601150CT(R)	150	600	125	5200	4	20	0.86	300	
MBRQ600200CT(R)	200	600	125	4000	4	20	0.92	300	

T_j and T_{stg} of -55°C to +150°C

I_{FSM} for 25°C

Section D

LOW VF SCHOTTKY RECTIFIERS

Stud Devices

Part Number	Package	VRRM	IO	IFSM	Page
MBR7520(R)L~MBR7545(R)L	DO-5(DO-203AB)	20~45V	75A	1000A	D2

Leaded Devices (Isolated)

Part Number	Package	VRRM	IO	IFSM	Page
FST16020L~FST16145L	POWER MOD(TO-249AA)	20~45V	160A	1000A	D3

Half Pack Devices

Part Number	Package	VRRM	IO	IFSM	Page
MBRH15020(R)L~MBRH15045(R)L	HALF PACK(D-67)	20~45V	150A	2000A	D4
MBRH20020(R)L~MBRH20045(R)L	HALF PACK(D-67)	20~45V	200A	3000A	D4
MBRH30020(R)L~MBRH30045(R)L	HALF PACK(D-67)	20~45V	300A	4000A	D4

Twin Tower Device

Part Number	Package	VRRM	IO	IFSM	Page
MBR30020CT(R)L~MBR30045CT(R)L	TWIN TOWER	20~45V	300A	2000A	D5
MBR40020CT(R)L~MBR40045CT(R)L	TWIN TOWER	20~45V	400A	3000A	D5
MBR50145CT(R)L	TWIN TOWER	45V	500A	5000A	D5
MBR60020CT(R)L~MBR60045CT(R)L	TWIN TOWER	20~45V	600A	4000A	D5

Heavy Twin Tower Device

Part Number	Package	VRRM	IO	IFSM	Page
MBRA40020CT(R)L~MBRA40045CT(R)L	HEAVY TWIN TOWER	20~45V	400A	3000A	D6
MBRA60020CT(R)L~MBRA60045CT(R)L	HEAVY TWIN TOWER	20~45V	600A	4000A	D6
MBRA80020CT(R)L~MBRA80045CT(R)L	HEAVY TWIN TOWER	20~45V	800A	6000A	D6

Three Tower Devices (Isolated)

Part Number	Package	VRRM	IO	IFSM	Page
MBRT30020(R)L~MBRT30045(R)L	THREE TOWER(TO-244AB)	20~45V	300A	2000A	D7
MBRT40020(R)L~MBRT40045(R)L	THREE TOWER(TO-244AB)	20~45V	400A	3000A	D7
MBRT60020(R)L~MBRT60045(R)L	THREE TOWER(TO-244AB)	20~45V	600A	4000A	D7

Heavy Three Tower Devices (Isolated)

Part Number	Package	VRRM	IO	IFSM	Page
MBRTA40020(R)L~MBRTA40045(R)L	HEAVY THREE TOWER	20~45V	400A	3000A	D8
MBRTA60020(R)L~MBRTA60045(R)L	HEAVY THREE TOWER	20~45V	600A	4000A	D8
MBRTA80020(R)L~MBRTA80045(R)L	HEAVY THREE TOWER	20~45V	800A	6000A	D8

LOW VF SCHOTTKY RECTIFIERS

STUD DEVICES

Part No.	Maximum Recurrent Peak Reverse Voltage	Maximum Average Forward Rectified Current		Peak forward Surge Current 8.3ms Single Half Sine-Wave Superimposed On Rated Load	Maximum DC Instantaneous Reverse Current @V _{RRM}		Maximum Instantaneous Forward Voltage @25°C		Package Outline
	V _{RRM}	I _o @T _c		I _{FSM}	I _R @T _j		V _F	I _F	
	V _{PK}	A	°C	A	@25°C mA	@100°C mA	V	A	

75AMP /LOWVF SCHOTTKY RECTIFIER / DO-5(DO-203AB)

MBR7520(R)L	20	75	100	1000	1	100	0.58	75	Dimensions on page.2 
MBR7530(R)L	30	75	100	1000	1	100	0.58	75	
MBR7535(R)L	35	75	100	1000	2	150	0.60	75	
MBR7540(R)L	40	75	100	1000	3	200	0.60	75	
MBR7545(R)L	45	75	100	1000	3	250	0.60	75	

T_j of -40°C to +100°C

T_{stg} of -40°C to +150°C

I_{FSM} for 25°C

With Suffix R for Stud Reverse Polarity(Anode to Stud)

LOW VF SCHOTTKY RECTIFIERS

LEADED DEVICES

Part No.	Maximum Recurrent Peak Reverse Voltage	Maximum Average Forward Rectified Current at Per Pak		Peak forward Surge Current 8.3ms Single Half Sine-Wave Superimposed On Rated Load at Per leg	Maximum DC Instantaneous Reverse Current at Per leg @V _{RRM}		Maximum Instantaneous Forward Voltage at Per leg @25°C		Package Outline
	V _{RRM}	Io@Tc		IFSM	Ir@Tj		VF	IF	
					@25°C	@100°C			
	V _{PK}	A	°C	A	mA	mA	V	A	

160AMP / LOWVF SCHOTTKY RECTIFIER / POWER MOD (TO-249AA Isolated)

FST16020L	20	160	100	1000	1	100	0.60	80	Dimensions on page.6 
FST16030L	30	160	100	1000	1	100	0.60	80	
FST16035L	35	160	100	1000	1	150	0.60	80	
FST16040L	40	160	100	1000	2	200	0.60	80	
FST16145L	45	160	100	1000	3	250	0.60	80	

T_j of -40°C to +100°C

T_{stg} of -40°C to +150°C

I_{FSM} for 25°C

LOW VF SCHOTTKY RECTIFIERS

HALF PACK DEVICES

Part No.	Maximum Recurrent Peak Reverse Voltage	Maximum Average Forward Rectified Current		Peak forward Surge Current 8.3ms Single Half Sine-Wave Superimposed On Rated Load	Maximum DC Instantaneous Reverse Current @V _{RRM}		Maximum Instantaneous Forward Voltage @25°C		Package Outline
	V _{RRM}	Io@Tc		IFSM	IR@Tj		VF	IF	
					@25°C	@100°C			
					V _{PK}	A			

150AMP / LOW VF SCHOTTKY RECTIFIER / HALF PAK (D-67)

MBRH15020(R)L	20	150	100	2000	3	100	0.58	150	Dimensions on page.7 
MBRH15030(R)L	30	150	100	2000	3	100	0.58	150	
MBRH15035(R)L	35	150	100	2000	3	150	0.60	150	
MBRH15040(R)L	40	150	100	2000	5	200	0.60	150	
MBRH15045(R)L	45	150	100	2000	5	250	0.60	150	

200AMP / LOW VF SCHOTTKY RECTIFIER / HALF PAK (D-67)

MBRH20020(R)L	20	200	100	3000	3	150	0.58	200	Dimensions on page.7 
MBRH20030(R)L	30	200	100	3000	3	150	0.58	200	
MBRH20035(R)L	35	200	100	3000	3	200	0.60	200	
MBRH20040(R)L	40	200	100	3000	5	250	0.60	200	
MBRH20045(R)L	45	200	100	3000	5	300	0.60	200	

300AMP / LOW VF SCHOTTKY RECTIFIER / HALF PAK (D-67)

MBRH30020(R)L	20	300	100	4000	3	200	0.58	300	Dimensions on page.7 
MBRH30030(R)L	30	300	100	4000	3	200	0.58	300	
MBRH30035(R)L	35	300	100	4000	3	250	0.60	300	
MBRH30040(R)L	40	300	100	4000	5	300	0.60	300	
MBRH30045(R)L	45	300	100	4000	5	350	0.60	300	

T_j of -40°C to +100°C

T_{stg} of -40°C to +150°C

I_{FSM} for 25°C

With Suffix R for Common Anode to baseplate

LOW VF SCHOTTKY RECTIFIERS

TWIN TOWER DEVICES

Part No.	Maximum Recurrent Peak Reverse Voltage	Maximum Average Forward Rectified Current at Per Pak		Peak forward Surge Current 8.3ms Single Half Sine-Wave Superimposed On Rated Load at Per leg	Maximum DC Instantaneous Reverse Current at Per leg @V _{RRM}		Maximum Instantaneous Forward Voltage at Per leg @25°C		Package Outline
	V _{RRM}	I _o @T _c		I _{FSM}	I _R @T _j		V _F	I _F	
					@25°C	@100°C			
	V _{PK}	A	°C	A	mA	mA	V	A	

300AMP / LOW VF SCHOTTKY RECTIFIER / TWIN TOWER

MBR30020CT(R)L	20	300	100	2000	3	100	0.58	150	Dimensions on page.8 
MBR30030CT(R)L	30	300	100	2000	3	100	0.58	150	
MBR30035CT(R)L	35	300	100	2000	3	150	0.60	150	
MBR30040CT(R)L	40	300	100	2000	3	200	0.60	150	
MBR30045CT(R)L	45	300	100	2000	5	250	0.60	150	

400AMP / LOW VF SCHOTTKY RECTIFIER / TWIN TOWER

MBR40020CT(R)L	20	400	100	3000	3	200	0.58	200	Dimensions on page.8 
MBR40030CT(R)L	30	400	100	3000	3	200	0.58	200	
MBR40035CT(R)L	35	400	100	3000	3	250	0.60	200	
MBR40040CT(R)L	40	400	100	3000	3	300	0.60	200	
MBR40045CT(R)L	45	400	100	3000	5	350	0.60	200	

500AMP / LOW VF SCHOTTKY RECTIFIER / TWIN TOWER

MBR50145CT(R)L	45	500	100	5000	8	2000	0.54	250	Dimensions on page.8 
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600AMP / LOW VF SCHOTTKY RECTIFIER / TWIN TOWER

MBR60020CT(R)L	20	600	100	4000	3	250	0.58	300	Dimensions on page.8 
MBR60030CT(R)L	30	600	100	4000	3	250	0.58	300	
MBR60035CT(R)L	35	600	100	4000	3	300	0.60	300	
MBR60040CT(R)L	40	600	100	4000	5	350	0.60	300	
MBR60045CT(R)L	45	600	100	4000	5	350	0.60	300	

T_j of -40°C to +100°C

T_{stg} of -40°C to +150°C

I_{FSM} for 25°C

With Suffix 'R' for Common Anode to baseplate

LOW VF SCHOTTKY RECTIFIERS

HEAVY TWIN TOWER DEVICES

Part No.	Maximum Recurrent Peak Reverse Voltage	Maximum Average Forward Rectified Current at Per Pak		Peak forward Surge Current 8.3ms Single Half Sine-Wave Superimposed On Rated Load at Per leg	Maximum DC Instantaneous Reverse Current at Per leg @V _{RRM}		Maximum Instantaneous Forward Voltage at Per leg @25°C		Package Outline
	V _{RRM}	I _o @T _c		I _{FSM}	I _R @T _j		V _F	I _F	
	V _{PK}	A	°C	A	mA @25°C	mA @100°C	V	A	

400AMP / LOW VF SCHOTTKY RECTIFIER / HEAVY TWIN TOWER

MBRA40020CT(R)L	20	400	100	3000	3	200	0.58	200	Dimensions on page.9 
MBRA40030CT(R)L	30	400	100	3000	3	200	0.58	200	
MBRA40035CT(R)L	35	400	100	3000	3	250	0.60	200	
MBRA40040CT(R)L	40	400	100	3000	5	300	0.60	200	
MBRA40045CT(R)L	45	400	100	3000	5	350	0.60	200	

600AMP / LOW VF SCHOTTKY RECTIFIER / HEAVY TWIN TOWER

MBRA60020CT(R)L	20	600	100	4000	3	250	0.58	300	Dimensions on page.9 
MBRA60030CT(R)L	30	600	100	4000	3	250	0.58	300	
MBRA60035CT(R)L	35	600	100	4000	3	300	0.60	300	
MBRA60040CT(R)L	40	600	100	4000	5	350	0.60	300	
MBRA60045CT(R)L	45	600	100	4000	5	350	0.60	300	

800AMP / LOW VF SCHOTTKY RECTIFIER / HEAVY TWIN TOWER

MBRA80020CT(R)L	20	800	100	6000	3	300	0.58	400	Dimensions on page.9 
MBRA80030CT(R)L	30	800	100	6000	3	300	0.58	400	
MBRA80035CT(R)L	35	800	100	6000	3	350	0.60	400	
MBRA80040CT(R)L	40	800	100	6000	5	500	0.60	400	
MBRA80045CT(R)L	45	800	100	6000	6	550	0.60	400	

T_j of -40°C to +100°C

T_{stg} of -40°C to +150°C

I_{FSM} for 25°C

With Suffix R for Common Anode to baseplate

LOW VF SCHOTTKY RECTIFIERS

THREE TOWER DEVICES

Part No.	Maximum Recurrent Peak Reverse Voltage	Maximum Average Forward Rectified Current at Per Pak		Peak forward Surge Current 8.3ms Single Half Sine-Wave Superimposed On Rated Load at Per leg	Maximum DC Instantaneous Reverse Current at Per leg @V _{RRM}		Maximum Instantaneous Forward Voltage at Per leg @25°C		Package Outline
	V _{RRM}	I _O @T _C		I _{FSM}	I _R @T _J		V _F	I _F	
	V _{PK}	A	°C	A	mA	mA	V	A	

300AMP / LOW VF SCHOTTKY RECTIFIER / THREE TOWER (TO-244AB Isolated)

MBRT30020(R)L	20	300	100	2000	3	100	0.58	150	 Dimensions on page.10
MBRT30030(R)L	30	300	100	2000	3	100	0.58	150	
MBRT30035(R)L	35	300	100	2000	3	150	0.60	150	
MBRT30040(R)L	40	300	100	2000	3	200	0.60	150	
MBRT30045(R)L	45	300	100	2000	5	250	0.60	150	

400AMP / LOW VF SCHOTTKY RECTIFIER / THREE TOWER (TO-244AB Isolated)

MBRT40020(R)L	20	400	100	3000	3	200	0.58	200	 Dimensions on page.10
MBRT40030(R)L	30	400	100	3000	3	200	0.58	200	
MBRT40035(R)L	35	400	100	3000	3	250	0.60	200	
MBRT40040(R)L	40	400	100	3000	3	300	0.60	200	
MBRT40045(R)L	45	400	100	3000	5	350	0.60	200	

600AMP / LOW VF SCHOTTKY RECTIFIER / THREE TOWER (TO-244AB Isolated)

MBRT60020(R)L	20	600	100	4000	3	250	0.58	300	 Dimensions on page.10
MBRT60030(R)L	30	600	100	4000	3	250	0.58	300	
MBRT60035(R)L	35	600	100	4000	3	300	0.60	300	
MBRT60040(R)L	40	600	100	4000	5	350	0.60	300	
MBRT60045(R)L	45	600	100	4000	5	350	0.60	300	

T_J of -40°C to +100°C

T_{stg} of -40°C to +150°C

I_{FSM} for 25°C

LOW VF SCHOTTKY RECTIFIERS

HEAVY THREE TOWER DEVICES

Part No.	Maximum Recurrent Peak Reverse Voltage	Maximum Average Forward Rectified Current at Per Pak		Peak forward Surge Current 8.3ms Single Half Sine-Wave Superimposed On Rated Load at Per leg	Maximum DC Instantaneous Reverse Current at Per leg @V _{RRM}		Maximum Instantaneous Forward Voltage at Per leg @25°C		Package Outline
	V _{RRM}	Io@Tc		IFSM	IR@Tj		VF	IF	
					@25°C	@100°C			
	V _{PK}	A	°C	A	mA	mA	V	A	

400AMP / LOW VF SCHOTTKY RECTIFIER / HEAVY THREE TOWER (Isolated)

MBRTA40020 (R)L	20	400	100	3000	3	200	0.58	200	Dimensions on page.11 
MBRTA40030 (R)L	30	400	100	3000	3	200	0.58	200	
MBRTA40035 (R)L	35	400	100	3000	3	250	0.60	200	
MBRTA40040 (R)L	40	400	100	3000	5	300	0.60	200	
MBRTA40045 (R)L	40	400	100	3000	5	350	0.60	200	

600AMP / LOW VF SCHOTTKY RECTIFIER / HEAVY THREE TOWER (Isolated)

MBRTA60020 (R)L	20	600	100	4000	3	250	0.58	300	Dimensions on page.11 
MBRTA60030 (R)L	30	600	100	4000	3	250	0.58	300	
MBRTA60035 (R)L	35	600	100	4000	3	300	0.60	300	
MBRTA60040 (R)L	40	600	100	4000	5	350	0.60	300	
MBRTA60045 (R)L	45	600	100	4000	5	350	0.60	300	

800AMP / LOW VF SCHOTTKY RECTIFIER / HEAVY THREE TOWER (Isolated)

MBRTA80020 (R)L	20	800	100	6000	3	300	0.58	400	Dimensions on page.11 
MBRTA80030 (R)L	30	800	100	6000	3	300	0.58	400	
MBRTA80035 (R)L	35	800	100	6000	3	350	0.60	400	
MBRTA80040 (R)L	40	800	100	6000	5	500	0.60	400	
MBRTA80045 (R)L	45	800	100	6000	6	550	0.60	400	

T_j of -40°C to +100°C

T_{stg} of -40°C to +150°C

I_{FSM} for 25°C

Section E

SILICON MOSFET

MOSFET/ SOT-227 Devices (Isolated)

Part Number	Package	BVDss	ID	Page
DAMI330N60~DAMI660N60	SOT-227	60V	330A~660A	E2
DAMI160N100~DAMI560N100	SOT-227	100V	160A~560A	E2
DAMI220N150~DAMI360N150	SOT-227	150V	220A~360A	E2
DAMI160N200~DAMI280N200	SOT-227	200V	160A~280A	E2
DAMI38N900	SOT-227	900V	38A	E2
DAMI50N650J(H)(C)~DAMI140N650J(H)(C)	SOT-227	650V	50A~140A	E2

MOSFET / SOT-227H Devices (Isolated)

Part Number	Package	BVDss	ID	Page
DAMIA800N60~DAMIA1200N60	SOT-227H	60V	800A~1200A	E2
DAMIA700N100~DAMIA1100N100	SOT-227H	100V	700A~1100A	E2
DAMIA460N150~DAMIA760N150	SOT-227H	150V	460A~760A	E2
DAMIA320N200~DAMIA500N200	SOT-227H	200V	320A~500A	E2
DAMIA200N650J~DAMIA300N650J	SOT-227H	650V	200A~300A	E2

MOSFET / HB-9434(Half Bridge) Devices (Isolated)

Part Number	Package	BVDss	ID	Page
DAMH360N60~DAMH960N60	HB-9434	60V	360A~960A	E3
DAMH320N100~DAMH830N100	HB-9434	100V	320A~830A	E3
DAMH220N150~DAMH560N150	HB-9434	150V	220A~560A	E3
DAMH160N200~DAMH380N200	HB-9434	200V	160A~380A	E3
DAMH50N650J(H)(C)~DAMH200N650 J(H)(C)	HB-9434	650V	50A~200A	E3

SILICON MOSFET DEVICES

Part No.	Drain-Source Breakdown Voltage	Drain Current Continuous		Drain-Source On-State Resistance @VGS=10V		Package Outline
		ID		RDS(on)		
	BV _{DSS}	@25°C	@100°C	Typ.	Max.	
	V	A	A	mΩ	mΩ	

Mosfet / SOT-227 (Isolated)

DAMI330N60	60	330	300	1.4	1.5	Dimensions on page.13
DAMI500N60	60	500	400	0.9	1.1	
DAMI660N60	60	660	500	0.8	0.9	
DAMI160N100	100	160	120	3.5	4	
DAMI320N100	100	320	280	1.9	2.1	
DAMI450N100	100	450	320	1.3	1.5	
DAMI560N100	100	560	445	1	1.1	
DAMI220N150	150	220	150	6.5	6.7	
DAMI300N150	150	300	180	4.3	4.5	
DAMI360N150	150	360	220	3	3.2	
DAMI160N200	200	160	130	10	10.3	
DAMI220N200	200	220	180	7.5	7.8	
DAMI280N200	200	280	210	5.8	6	
DAMI38N900	900	38	20	-	210	
DAMI50N650J	650	50	28	75	78	
DAMI90N650J	650	90	50	36	39	
DAMI140N650J	650	140	80	24	26	
DAMI50N650JH	650	50	28	75	78	
DAMI90N650JH	650	90	50	36	39	
DAMI140N650JH	650	140	80	24	26	
DAMI50N650JC	650	50	28	75	78	
DAMI90N650JC	650	90	50	36	39	
DAMI140N650JC	650	140	80	24	26	

Mosfet / SOT-227H (Isolated)

DAMIA800N60	60	800	600	0.64		Dimensions on page.18
DAMIA960N60	60	960	720	0.53		
DAMIA1100N60	60	1100	820	0.45		
DAMIA1200N60	60	1200	900	0.4		
DAMIA700N100	100	700	520	0.8		
DAMIA830N100	100	830	620	0.67		
DAMIA960N100	100	960	720	0.57		
DAMIA1100N100	100	1100	820	0.5		
DAMIA460N150	150	460	270	2.6		
DAMIA560N150	150	560	330	2.2		
DAMIA660N150	150	660	400	1.86		
DAMIA760N150	150	760	450	1.6		
DAMIA320N200	200	320	190	4.64		
DAMIA380N200	200	380	220	3.88		
DAMIA440N200	200	440	260	3.32		
DAMIA500N200	200	500	300	3		
DAMIA200N650J	650	200	120	16	20	
DAMIA250N650J	650	250	150	13	16	
DAMIA300N650J	650	300	180	11	13	

SILICON MOSFET DEVICES

Part No.	Drain-Source Breakdown Voltage	Drain Current Continuous		Drain-Source On-State Resistance @VGS=10V		Package Outline
		ID		RDS(on)		
	BV _{DSS}	@25°C	@100°C	Typ.	Max.	
	V	A	A	mΩ	mΩ	

Si Mosfet / HB-9434(Half Bridge) (Isolated)

DAMH360N60	60	360	300	1.4		Dimensions on page.19
DAMH500N60	60	500	400	0.9		
DAMH660N60	60	660	500	0.8		
DAMH800N60	60	800	600	0.64		
DAMH960N60	60	960	720	0.53		
DAMH320N100	100	320	250	1.9		
DAMH450N100	100	450	320	1.3		
DAMH560N100	100	560	460	1		
DAMH700N100	100	700	520	0.8		
DAMH830N100	100	830	620	0.67		
DAMH220N150	150	250	150	6.5		
DAMH300N150	150	300	180	4.3		
DAMH360N150	150	360	220	3		
DAMH460N150	150	460	270	2.6		
DAMH560N150	150	560	330	2.2		
DAMH160N200	200	160	110	10		
DAMH220N200	200	220	140	7.5		
DAMH280N200	200	280	180	5.8		
DAMH320N200	200	320	190	4.64		
DAMH380N200	200	380	220	3.8		
DAMH50N650J	650	50	28	75	80	
DAMH90N650J	650	90	50	36	40	
DAMH140N650J	650	140	80	25	30	
DAMH200N650J	650	200	120	16	20	
DAMH50N650JH	650	50	28	75	80	
DAMH90N650JH	650	90	50	36	40	
DAMH140N650JH	650	140	80	25	30	
DAMH200N650JH	650	200	120	16	20	
DAMH50N650JC	650	50	28	75	80	
DAMH90N650JC	650	90	50	36	40	
DAMH140N650JC	650	140	80	25	30	
DAMH200N650JC	650	200	120	16	20	



Section F

SILICON CARBIDE PRODUCTS

SiC Mosfet / SOT-227 Device (Isolated)

Part Number	Package	BVDss	ID	Page
DACMI40N1200~DACMI200N1200	SOT-227	1200V	40A~200A	F2
DACMI120N1700	SOT-227	1700V	120A	F2

SiC Mosfet / HB-9434(Half Bridge) Device (Isolated)

Part Number	Package	BVDss	ID	Page
DACMH40N1200~ DACMH200N1200	HB-9434	1200V	40A~200A	F2

SiC Schottky Diodes / SOT-227 Device (Isolated)

Part Number	Package	VRRM / VDRM	ITAV / IFAV	Page
CSRI2X25-065~CSRI2X100-120	SOT-227	650V~1200V	50A~200A	F3

SiC Schottky Diodes / TWIN TOWER(B) Device (Isolated)

Part Number	Package	VRRM / VDRM	ITAV / IFAV	Page
DACSB40060CT~DACSB80060CT	TWIN TOWER(B)	600V~1200V	400A~800A	F3

SiC MOSFET (Silicon Carbide Mosfet) DEVICES

Part No.	Drain-Source Breakdown Voltage	Drain Current Continuous		Drain-Source On-State Resistance @VGS=20V		Gate Threshold Voltage VDS=VGS		Package Outline
		ID		RDS(on)		Vth		
	BV _{DSS}	@25°C	@100°C	Typ.	Max.	Min.	Max.	
	V	A	A	mΩ	mΩ	V	V	

SiC Mosfet / SOT-227 (Isolated)

DACMI40N1200	1200	40	25	60	80	2	3.5	Dimensions on page.13 
DACMI80N1200	1200	80	50	28	34	2	3.5	
DACMI120N1200	1200	120	76	20	25	2	3.5	
DACMI160N1200	1200	160	110	16	20	2	3.5	
DACMI200N1200	1200	200	125	13	15	2	3.5	
DACMI120N1700	1700	120	80	25	35	2	3.5	

SiC Mosfet / HB-9434(Half Bridge) (Isolated)

DACMH40N1200	1200	40	25	60	80	2	3.5	Dimensions on page.19 
DACMH80N1200	1200	80	50	28	34	2	3.5	
DACMH120N1200	1200	120	76	20	25	2	3.5	
DACMH160N1200	1200	160	110	16	20	2	3.5	
DACMH200N1200	1200	200	125	13	15	2	3.5	

Tj and Tstg of - 50°C to +150°C

SiC SCHOTTKY DIODES (Silicon Carbide Schottky)

DEVICES

Part No.	Maximum Recurrent Peak Reverse Voltage	Maximum Average Forward Rectified Current		Peak forward Surge Current 8.3ms Single Half Sine-Wave Superimposed On Rated Load	Maximum DC Instantaneous Reverse Current @V _{RRM}				Maximum Instantaneous Forward Voltage @25°C		Package Outline	
	V _{RRM}	I _o @T _C		I _{FSM}	I _R @T _J				V _F			I _F
					@25°C		@175°C					
					Typ.	Max	Typ.	Max	Typ.	Max		A
	V _{PK}	A	°C	A	μA		μA		V	V	A	

SiC Schottky Diodes / SOT-227(Isolated)

CSRI2X25-065	650	50	150	200	30	200	200	1000	1.45	1.65	25	Dimensions on page.13 
CSRI2X50-065	650	100	150	400	30	200	200	1000	1.45	1.65	50	
CSRI2X100-065	650	200	150	800	30	200	200	1000	1.45	1.65	100	
CSRI2X15-120	1200	30	150	100	5.0	100	35	500	1.6	1.8	15	
CSRI2X25-120	1200	50	150	200	2.2	109	140	1400	1.6	1.8	25	
CSRI2X50-120	1200	100	150	400	3.6	181	230	2300	1.6	1.8	50	
CSRI2X70-120	1200	140	150	600	3.6	181	230	2300	1.6	1.8	70	
CSRI2X100-120	1200	200	150	800	3.6	181	230	2300	1.6	1.8	100	

SiC Schottky Diodes / TWIN TOWER(B) (Isolated)

DACSB40060CT	600	400	135	1400	20	200	200	1000	1.45	1.65	200	Dimensions on page.21 
DACSB60060CT	600	600	135	2000	40	200	200	1000	1.45	1.65	300	
DACSB80060CT	600	800	135	2400	45	250	250	1000	1.45	1.65	400	
DACSB400120CT	1200	400	135	1600	10	130	140	1400	1.6	1.8	200	
DACSB600120CT	1200	600	135	2400	10	130	140	1400	1.6	1.8	300	

T_J and T_{stg} of -55°C to +175°C
I_{FSM} for 25°C

Section G

IGBT

IGBT / SOT-227 Devices (Isolated)

Part Number	Package	V _{CEs}	I _c	Page
DAGNI75600D~DAGNI100600N	SOT-227	600V	75A~100A	G2
DAGNI751200D~DAGNI1001200D	SOT-227	1200V	75A~100A	G2

IGBT / HW-9434(Half Bridge) Devices (Isolated)

Part Number	Package	B _{VDss}	ID	Page
DAGFH75600~DAGFH200600	HW-9434	600V	75A~200A	G2
DAGFH751200~DAGFH1501200	HW-9434	1200V	75A~150A	G2
DAGNH75600~DAGN400600	HW-9434	600V	75A~400A	G2
DAGNH751200~DAGNH2001200	HW-9434	1200V	75A~200A	G2

IGBT / HWA-10662 Devices (Isolated)

Part Number	Package	B _{VDss}	ID	Page
DAGFHW300600~DAGFHW600600	HWA-10662	600V	300A~600A	G3
DAGFHW300650~DAGFHW600650	HWA-10662	650V	300A~600A	G3
DAGFHW2001200~DAGFHW6001200	HWA-10662	1200V	200A~600A	G3
DAGNHW300600~DAGNHW600600	HWA-10662	600V	300A~600A	G3
DAGNHW300650~DAGNHW600650	HWA-10662	650V	300A~600A	G3
DAGNHW2001200~DAGNHW6001200	HWA-10662	1200V	200A~600A	G3

IGBT DEVICES

Part No.	Collector -Emitter Voltage	Collector Current	Collector-Emitter Saturation Voltage	Configuration	Package Outline
	V _{CES}	I _c	V _{CE(SAT)}		
	Typ.				
	V	A	V		

IGBT / SOT-227 (Isolated)

DAGNI75600D	600	75	1.95	Copack (Sonic-FRD)	Dimensions on page.13 
DAGNI100600D	600	100	1.95	Copack (Sonic-FRD)	
DAGNI100600N	600	100	2.1	Single	
DAGNI751200D	1200	75	2.2	Copack (Sonic-FRD)	
DAGNI1001200D	1200	100	2.6	Copack (Sonic-FRD)	
DAGFI751200N	1200	75	2.2	Single	
DAGFI1001200N	1200	100	2.2	Single	
DAGFI1501200N	1200	150	2.2	Single	

IGBT / HW-9434(Half Bridge) (Isolated)

DAGFH75600	600	75	1.60	Dual	Dimensions on page.24 
DAGFH100600	600	100	1.60	Dual	
DAGFH150600	600	150	1.60	Dual	
DAGFH200600	600	200	1.60	Dual	
DAGFH751200	1200	75	1.75	Dual	
DAGFH1001200	1200	100	1.75	Dual	
DAGFH1501200	1200	150	1.75	Dual	

IGBT / HW-9434(Half Bridge) (Isolated)

DAGNH75600	600	75	1.95	Dual	Dimensions on page.24 
DAGNH100600	600	100	1.95	Dual	
DAGNH150600	600	150	1.95	Dual	
DAGNH200600	600	200	1.95	Dual	
DAGNH300600	600	300	1.95	Dual	
DAGNH400600	600	400	1.95	Single	
DAGNH751200	1200	75	2.20	Dual	
DAGNH1001200	1200	100	2.20	Dual	
DAGNH1501200	1200	150	2.20	Dual	
DAGNH2001200	1200	200	2.20	Dual	

IGBT DEVICES

Part No.	Collector -Emitter Voltage	Collector Current	Collector-Emitter Saturation Voltage V _{CE(SAT)}	Configuration	Package Outline
	V _{CES}	I _C	Typ.		
	V	A	V		

IGBT /HWA-10662 (Isolated)

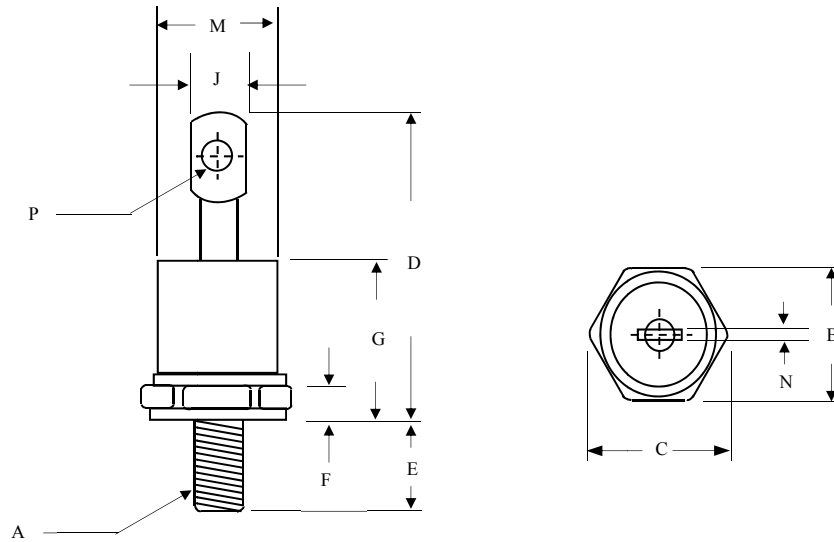
DAGFHW300600	600	300	1.60	Dual	Dimensions on page.25 
DAGFHW400600	600	400	1.60	Dual	
DAGFHW450600	600	450	1.60	Dual	
DAGFHW500600	600	500	1.60	Dual	
DAGFHW600600	600	600	1.60	Dual	
DAGFHW300650	650	300	1.65	Dual	
DAGFHW400650	650	400	1.65	Dual	
DAGFHW450650	650	450	1.65	Dual	
DAGFHW500650	650	500	1.65	Dual	
DAGFHW600650	650	600	1.65	Dual	
DAGFHW2001200	1200	200	1.75	Dual	
DAGFHW3001200	1200	300	1.75	Dual	
DAGFHW4001200	1200	400	1.75	Dual	
DAGFHW4501200	1200	450	1.75	Dual	
DAGFHW5001200	1200	500	1.75	Dual	
DAGFHW6001200	1200	600	1.75	Dual	

IGBT /HWA-10662 (Isolated)

DAGNHW300600	600	300	1.95	Dual	Dimensions on page.25 
DAGNHW400600	600	400	1.95	Dual	
DAGNHW450600	600	450	1.95	Dual	
DAGNHW500600	600	500	1.95	Dual	
DAGNHW600600	600	600	1.95	Dual	
DAGNHW300650	650	300	1.95	Dual	
DAGNHW400650	650	400	1.95	Dual	
DAGNHW450650	650	450	1.95	Dual	
DAGNHW500650	650	500	1.95	Dual	
DAGNHW600650	650	600	1.95	Dual	
DAGNHW2001200	1200	200	2.20	Dual	
DAGNHW3001200	1200	300	2.20	Dual	
DAGNHW4001200	1200	400	2.20	Dual	
DAGNHW4501200	1200	450	2.20	Dual	
DAGNHW5001200	1200	500	2.20	Dual	
DAGNHW6001200	1200	600	2.20	Dual	

PACKAGE OUTLINE

DO-4 (DO-203AA)

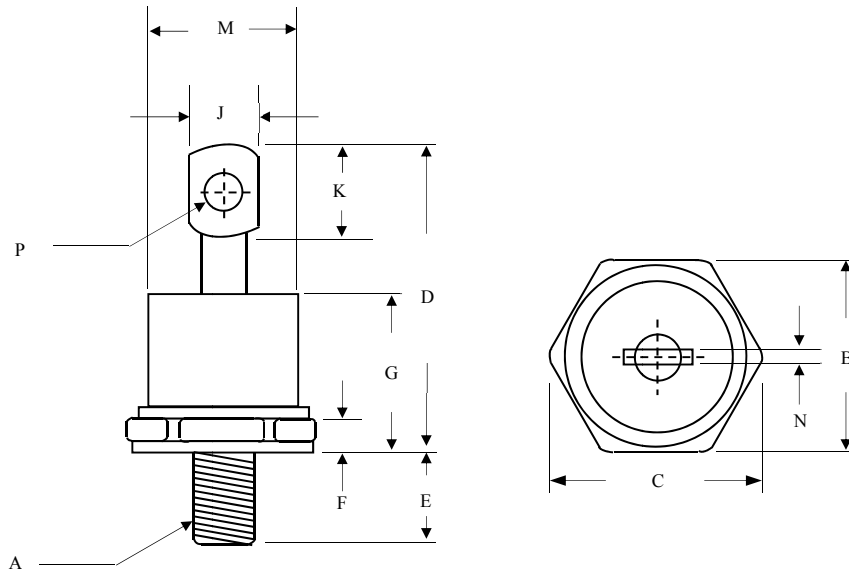


DIM	Inches		Millimeters	
	Min	Max	Min	Max
A	10-32 UNF			
B	0.424	0.437	10.77	11.10
C	-----	0.505	-----	12.82
D	-----	0.800	-----	20.30
E	0.453	0.492	11.50	12.50
F	0.114	0.138	2.90	3.50
G	-----	0.405	-----	10.29
J	-----	0.217	-----	5.50
M	-----	φ0.302	-----	φ7.68
N	0.031	0.045	0.80	1.15
P	0.070	0.079	1.80	2.00

Dimensions in inches and (millimeters)

PACKAGE OUTLINE

DO- 5 (DO-203AB)

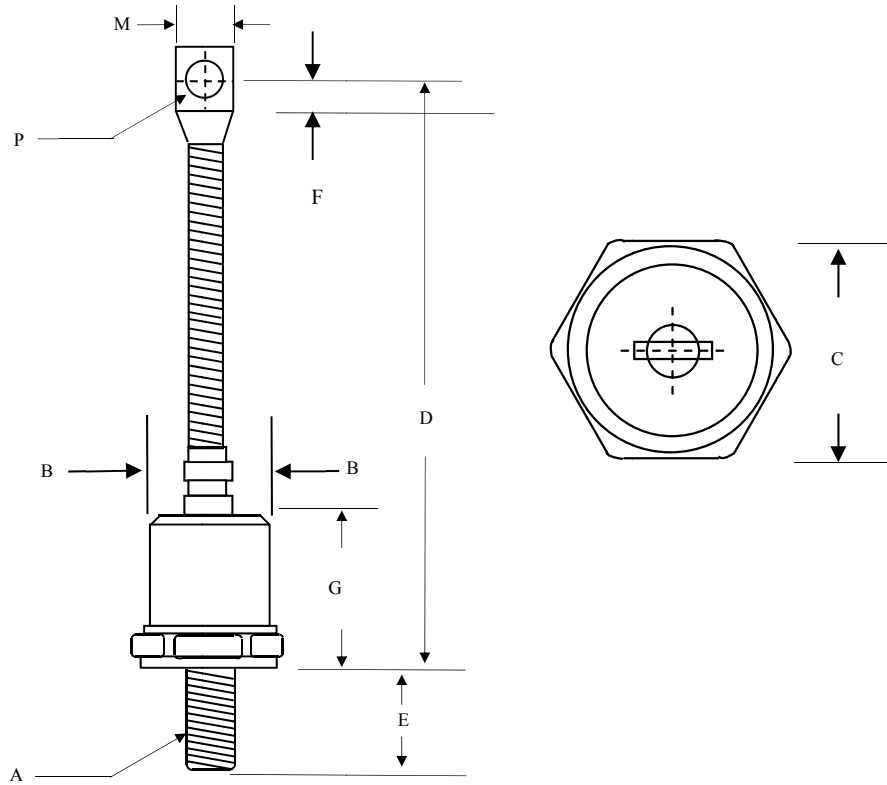


DIM	Inches		Millimeters	
	Min	Max	Min	Max
A	1/4 -28 UNF			
B	0.677	0.687	17.19	17.44
C	-----	0.794	-----	20.16
D	-----	1.020	-----	25.91
E	0.422	0.453	10.72	11.50
F	0.115	0.200	2.93	5.08
G	-----	0.460	-----	11.68
J	-----	0.276	-----	7.00
K	0.236	-----	6.00	-----
M	-----	0.589	-----	14.96
N	-----	0.063	-----	1.60
P	0.140	0.175	3.56	4.45

Dimensions in inches and (millimeters)

PACKAGE OUTLINE

DO-8 (DO-205AA)

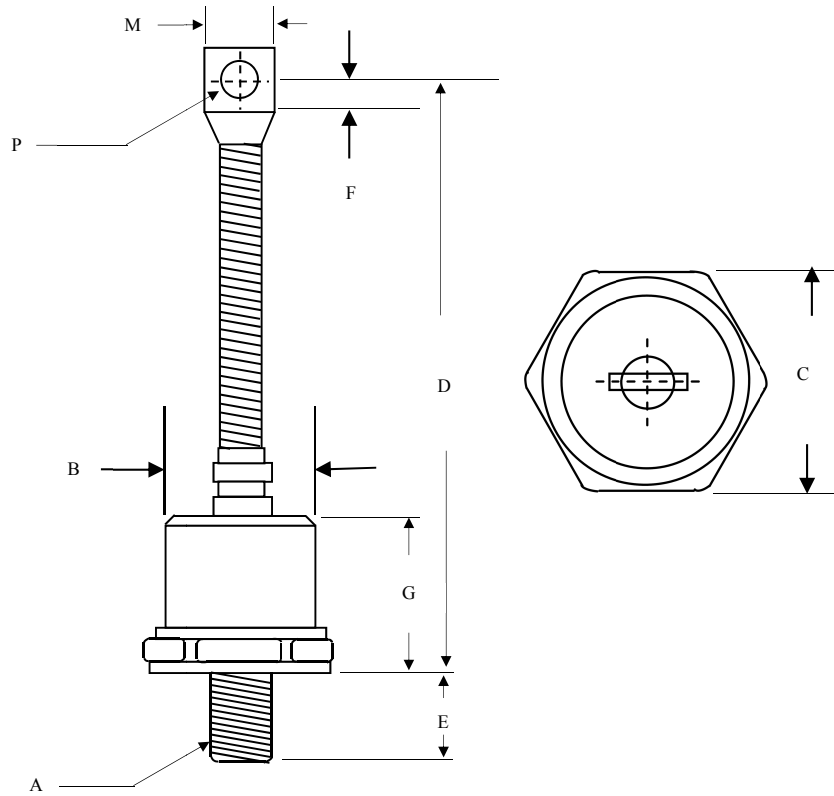


DIM	Inches		Millimeters	
	Min	Max	Min	Max
A	3/8-24 UNF			
B	----	$\phi 0.930$	----	$\phi 23.60$
C	1.050	1.060	26.67	26.92
D	4.300	4.700	109.22	119.38
E	----	0.690	----	17.00
F	0.260	----	6.50	----
G	----	0.945	----	24.00
M	----	0.600	----	15.23
P	0.276	0.286	7.010	7.260

Dimensions in inches and (millimeters)

PACKAGE OUTLINE

DO-9 (DO-205AB)

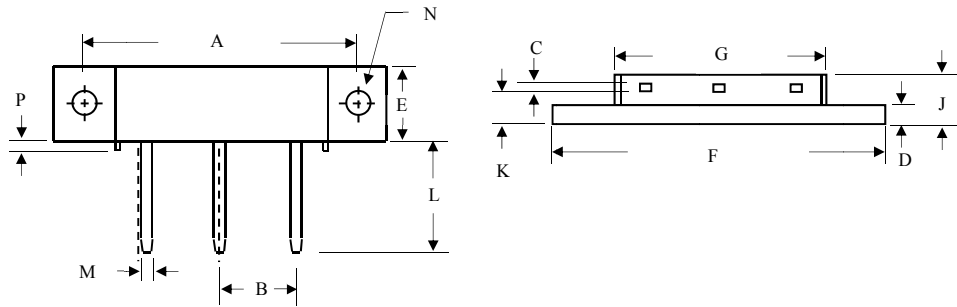


DIM	Inches		Millimeters	
	Min	Max	Min	Max
A	M20 * P1.5			
B	-----	1.100	-----	27.94
C	1.240	1.256	31.50	31.90
D	5.315	5.984	135.00	152.00
E	0.772	0.828	19.60	21.03
F	0.470	0.530	11.94	13.46
G	-----	1.220	-----	28.50
M	-----	0.787	-----	20.00
P	0.330	0.350	8.38	8.89

Dimensions in inches and (millimeters)

PACKAGE OUTLINE

Mini Mod (D61-3M)

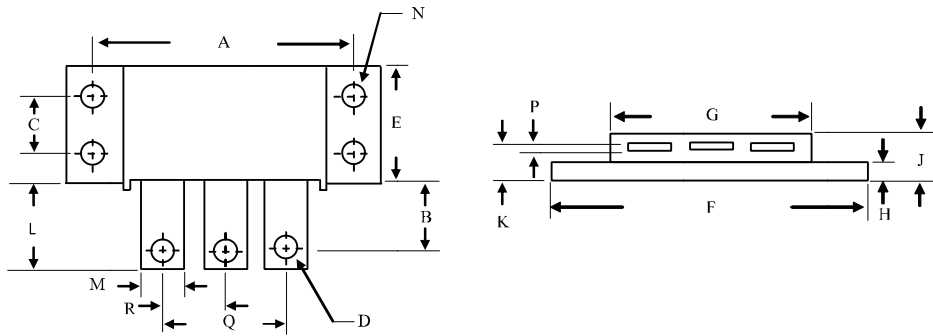


DIM	Inches		Millimeters	
	Min	Max	Min	Max
A	1.180	1.195	29.97	30.35
B	0.200	NOM	5.08	NOM
C	0.027	0.037	0.69	0.94
D	0.088	0.098	2.24	2.49
E	0.350	0.370	8.89	9.40
F	1.490	1.510	37.85	38.35
G	0.695	0.715	17.65	18.16
J	0.240	0.260	6.10	6.60
K	0.115	0.135	2.92	3.43
L	0.457	0.477	11.61	12.12
M	0.065	0.085	1.65	2.16
N	0.151	0.161	3.84	4.09
P	0.015	0.025	0.38	0.64

Dimensions in inches and (millimeters)

PACKAGE OUTLINE

Power Mod (TO-249AA)

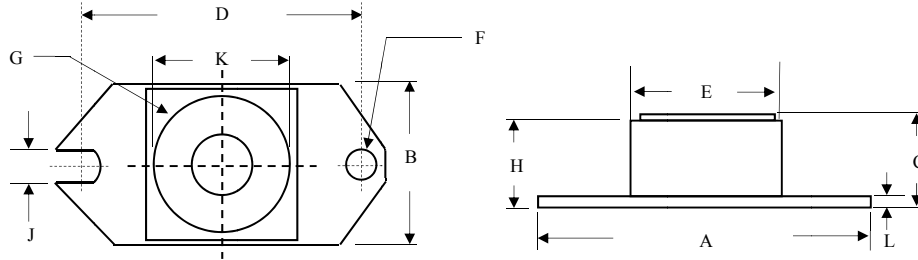


DIM	Inches		Millimeters	
	Min	Max	Min	Max
A	1.995	2.005	50.67	50.93
B	0.300	0.325	7.62	8.26
C	0.495	0.505	12.57	12.83
D	0.182	0.192	4.62	4.88
E	0.990	1.010	25.15	25.65
F	2.390	2.410	60.71	61.21
G	1.495	1.525	37.90	38.70
H	0.114	0.122	2.90	3.10
J	-----	0.420	-----	10.67
K	0.256	0.275	6.50	7.00
L	0.490	0.510	12.45	12.95
M	0.330	0.350	8.38	8.90
N	0.175	0.195	4.45	4.95
P	0.035	0.045	0.89	1.14
R	0.445	0.455	11.30	11.56
Q	0.890	0.910	22.61	23.11

Dimensions in inches and (millimeters)

PACKAGE OUTLINE

Half Pack (D-67)

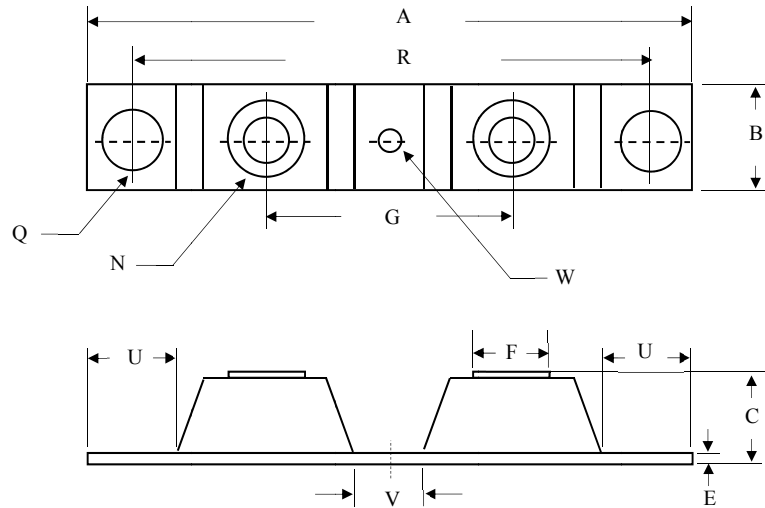


DIM	Inches		Millimeters	
	Min	Max	Min	Max
A	1.515	1.560	38.48	39.62
B	0.725	0.775	18.42	19.69
C	0.595	0.625	15.11	15.88
D	1.182	1.192	30.02	30.28
E	0.736	0.744	18.70	18.90
F	0.152	0.160	3.86	4.06
G	1/4-20 UNC			
H	0.540	0.580	13.72	14.73
J	0.156	0.160	3.96	4.06
K	0.480	0.492	12.20	12.50
L	0.120	0.130	3.05	3.30

Dimensions in inches and (millimeters)

PACKAGE OUTLINE

Twin Tower

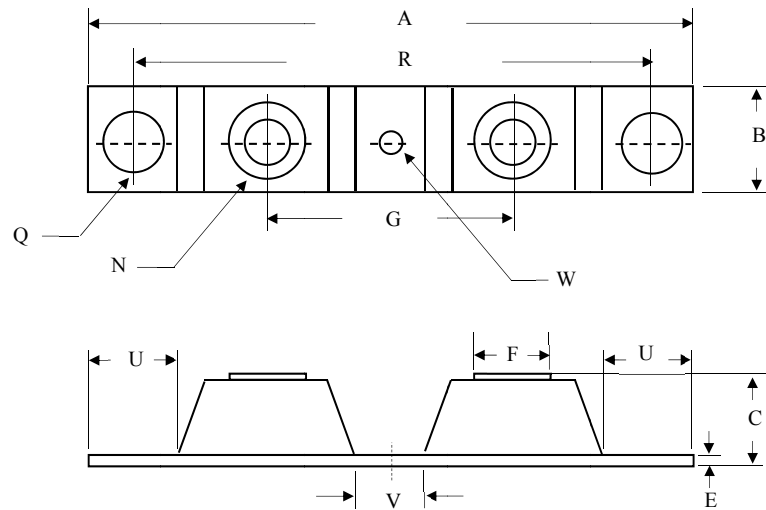


DIM	Inches		Millimeters	
	Min	Max	Min	Max
A	-----	3.630	-----	92.40
B	0.700	0.800	17.78	20.32
C	-----	0.650	-----	16.51
E	0.130	0.141	3.30	3.60
F	0.482	0.490	12.25	12.45
G	1.368	BSC	34.75	BSC
N	1/4-20 UNC FULL			
Q	0.275	0.290	6.99	7.37
R	3.150	BSC	80.01	BSC
U	0.600	-----	15.24	-----
V	0.312	0.370	7.92	9.40
W	0.180	0.195	4.57	4.95

Dimensions in inches and (millimeters)

PACKAGE OUTLINE

Heavy Twin Tower

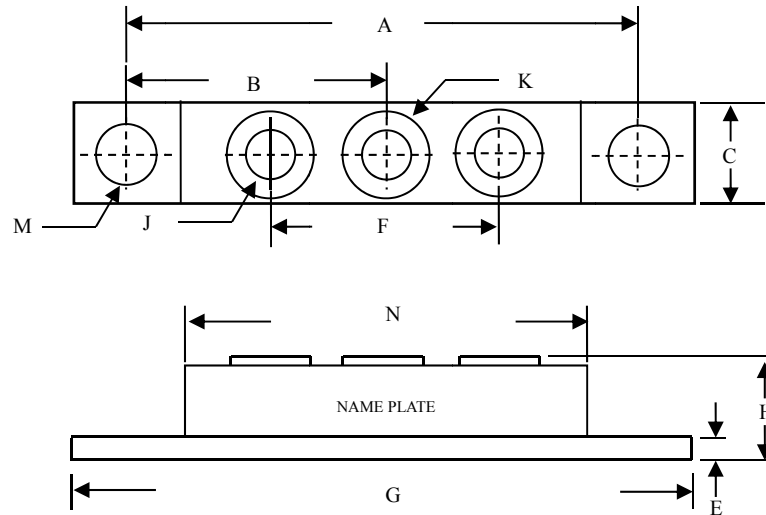


DIM	Inches		Millimeters	
	Min	Max	Min	Max
A	----	3.64	----	92.3
B	1.06	1.067	26.9	27.1
C	----	0.740	----	18.8
E	0.116	0.12	2.95	3.05
F	0.520	0.527	13.2	13.4
G	1.49	BSC	38.0	BSC
N	1/4-20 UNC FULL			
Q	0.275	0.290	6.99	7.37
R	3.150	BSC	80.01	BSC
U	0.512	----	13.0	----
V	0.449	0.472	11.4	12.0
W	0.180	0.195	4.57	4.95

Dimensions in inches and (millimeters)

PACKAGE OUTLINE

Three Tower (TO-244AB Isolated)

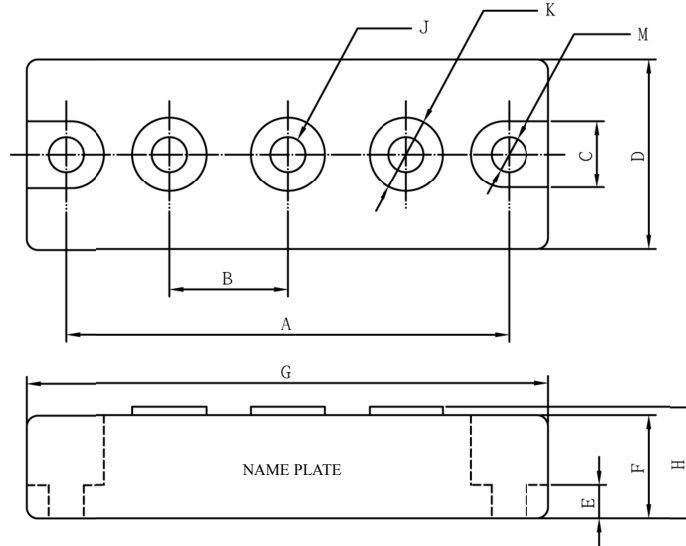


DIM	Inches		Millimeters	
	Min	Max	Min	Max
A	3.150	NOM	80.01	NOM
B	1.565	1.585	39.75	40.26
C	0.700	0.800	17.78	20.32
E	0.119	0.132	3.02	3.35
F	1.327	-----	33.72	-----
G	3.550	3.650	90.17	92.71
H	-----	0.730	-----	18.30
J	1/4 -20 UNC FULL			
K	0.472	0.511	12	13
M	0.275	0.295	6.99	7.49
N	2.380	2.460	60.5	62.5

Dimensions in inches and (millimeters)

PACKAGE OUTLINE

Heavy Three Tower (Isolation)

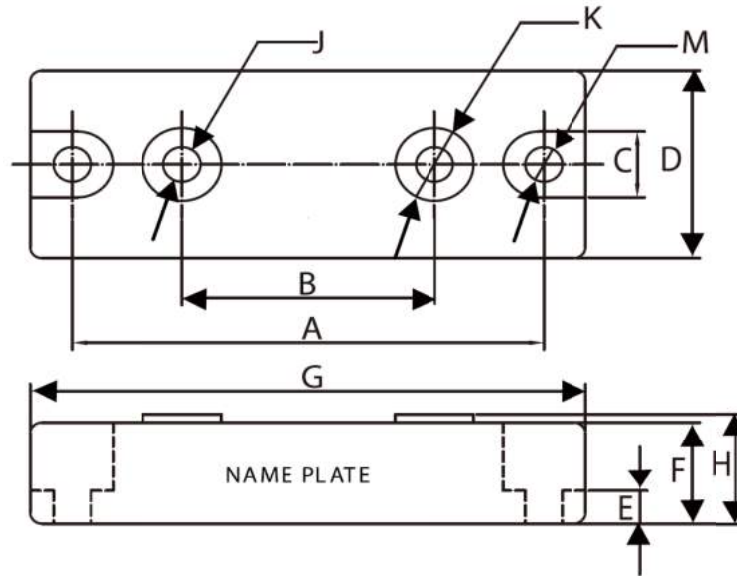


DIM	Inches		Millimeters	
	Min	Max	Min	Max
A	3.150	NOM	80.01	NOM
B	0.872	0.892	22.15	22.65
C	0.465	0.479	11.82	12.18
D	1.337	1.356	33.95	34.45
E	0.230	0.234	5.84	6.16
F	0.725	----	18.42	----
G	3.668	3.768	93.17	95.71
H	----	0.791	----	20.10
J	1/4 -20 UNC FULL			
K	0.509	0.538	12.92	13.68
M	0.238	0.258	6.05	6.55

Dimensions in inches and (millimeters)

PACKAGE OUTLINE

Heavy Diode (Isolation)

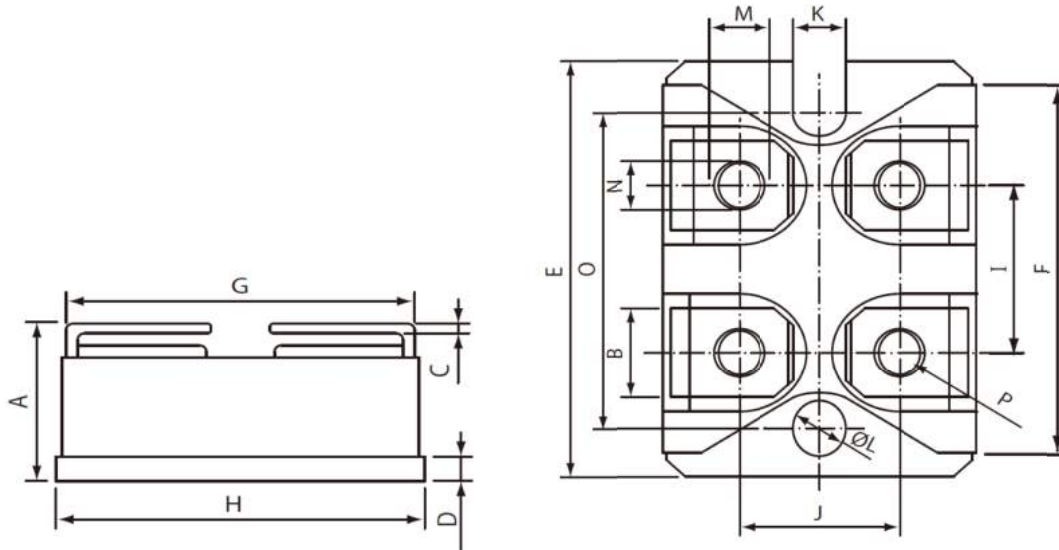


DIM	Inches		Millimeters	
	Min	Max	Min	Max
A	3.150	NOM	80.01	NOM
B	1.67	1.75	42.5	45
C	0.465	0.479	11.82	12.18
D	1.337	1.356	33.95	34.45
E	0.230	0.234	5.84	6.16
F	0.720	-----	18.30	-----
G	3.668	3.768	93.17	95.71
H	----	0.791	----	20.10
J	1/4- 20 UNC FULL			
K	0.509	0.538	12.92	13.68
M	0.238	0.258	6.05	6.55

Dimensions in inches and (millimeters)

PACKAGE OUTLINE

SOT-227 (Isolation)

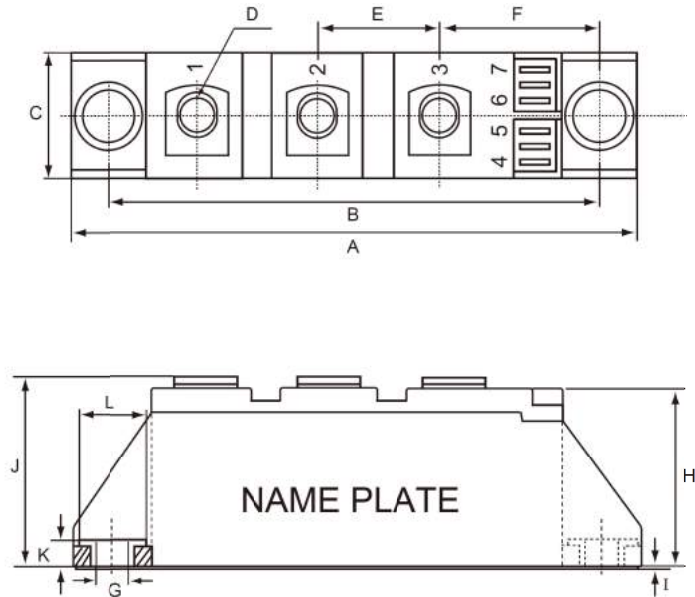


DIM	Inches		Millimeters	
	Min	Max	Min	Max
A	0.460~0.500	0.484~0.535	11.68~12.70	12.28~13.60
B	.307	.322	7.80	8.20
C	.029	.033	.75	.84
D	.077	.082	1.95	2.10
E	1.487	1.502	37.80	38.20
F	1.250	1.258	31.75	32.00
G	.931	.956	23.65	24.30
H	.996	1.007	25.30	25.60
I	.586	.594	14.90	15.10
J	.492	.516	12.50	13.10
K	.161	.169	4.10	4.30
L	.161	.169	4.10	4.30
M	.181	.191	4.60	4.95
N	.165	.177	4.20	4.50
O	1.184	1.192	30.10	30.30
P	M4*8			

Dimensions in inches and (millimeters)

PACKAGE OUTLINE

TO-240AA (Isolation)

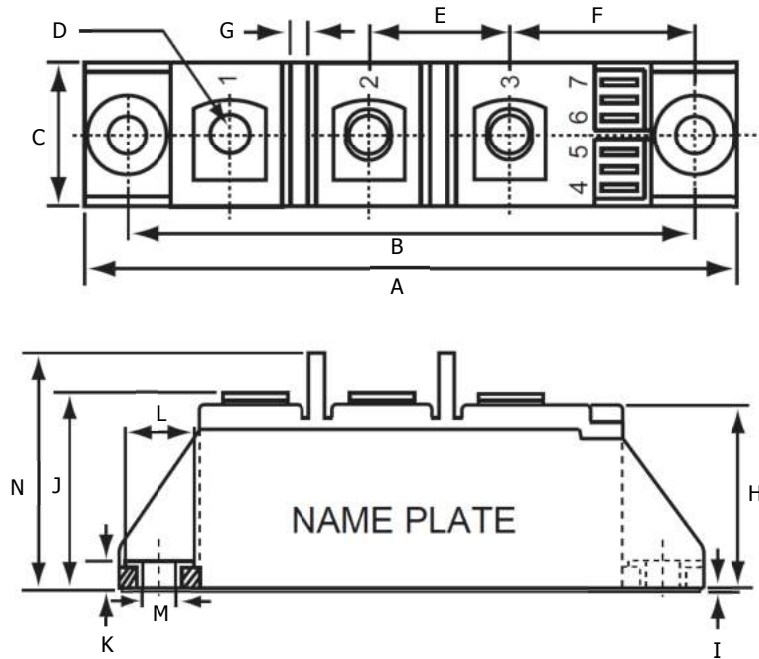


DIM	Inches		Millimeters	
	Min	Max	Min	Max
A	...	3.661	...	93.00
B	...	3.149	...	80.00
C	...	.819	...	20.80
D	M5*10			
E	...	.787	...	20.00
F	...	.984	...	25.00
G	...	.248	...	6.30
H	...	1.063	...	27.00
I	...	.049	...	1.25
J	...	1.181	...	30.00
K	...	.307	...	7.80
L	...	.433	...	11.00

Dimensions in inches and (millimeters)

PACKAGE OUTLINE

TO-240AAC (Isolation)

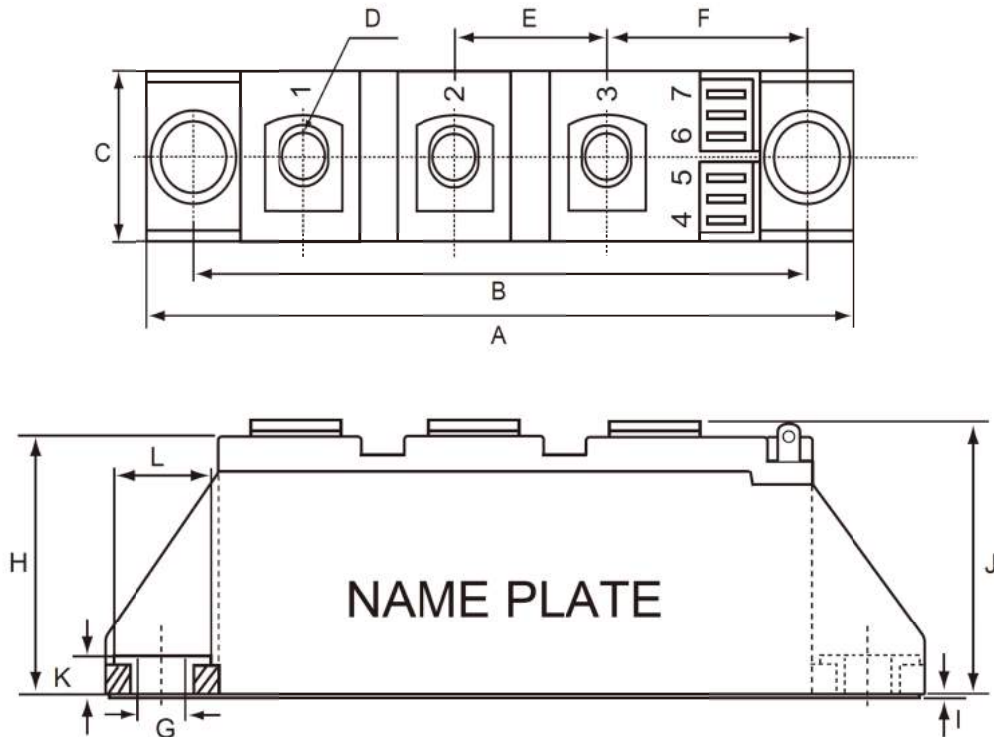


DIM	Inches		Millimeters	
	Min	Max	Min	Max
A	...	3.661	...	93.00
B	...	3.149	...	80.00
C	...	.819	...	20.80
D	M5*10			
E	...	.787	...	20.00
F	...	.984	...	25.00
G	...	.0787	...	2.00
H	...	1.063	...	27.00
I	...	.049	...	1.25
J	...	1.181	...	30.00
K	...	.307	...	7.80
L	...	.433	...	11.00
M	...	.248	...	6.30
N	...	1.575	...	40.00

Dimensions in inches and (millimeters)

PACKAGE OUTLINE

SCR-T (Isolation)

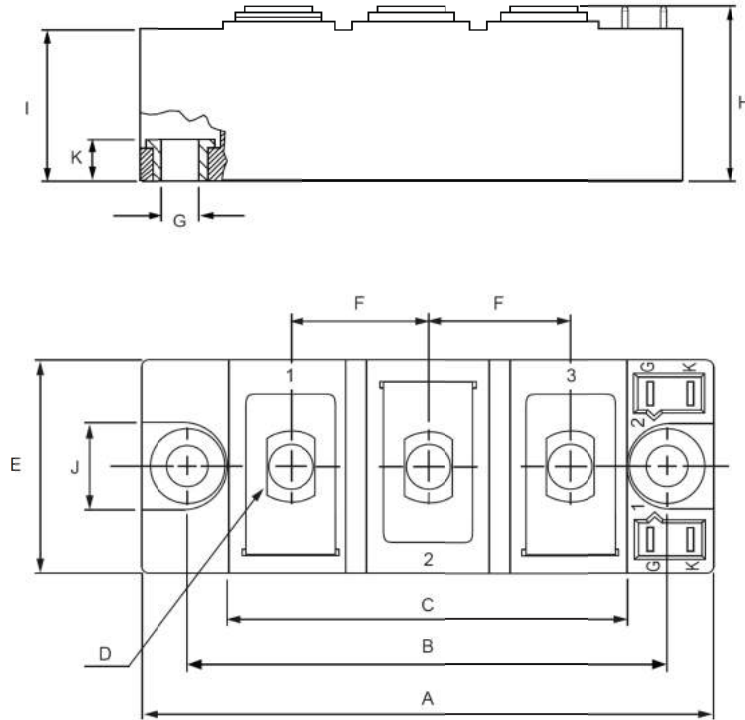


DIMENSIONS					
DIM	INCHES		MM		NOTE
	MIN	MXA	MIN	MXA	
A	...	3.661	...	93.00	
B	...	3.149	...	80.00	
C	...	.819	...	20.80	
D	M5*10				
E	...	.787	...	20.00	
F	...	.984	...	25.00	
G	...	.248	...	6.30	Ø
H	...	1.063	...	27.00	
I	...	.049	...	1.25	
J	...	1.181	...	30.00	
K	...	.307	...	7.80	
L	...	.433	...	11.00	

Dimensions in inches and (millimeters)

PACKAGE OUTLINE

SCR-K (Isolation)

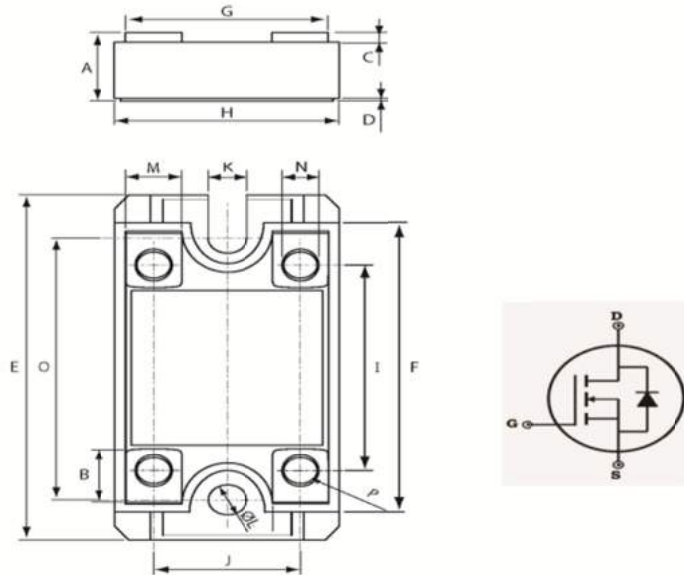


DIMENSIONS					
DIM	INCHES		MM		NOTE
	MIN	MXA	MIN	MXA	
A	...	3.740	...	95.00	
B	...	3.150	...	80.00	
C	...	2.598	...	66.00	
D	3-M5				
E	...	1.339	...	34.00	
F	...	.925	...	23.50	
G	...	.256	...	6.50	Ø
H	...	1.260	...	32.00	
I	...	1.083	...	27.50	
J	...	.512	...	13.00	
K	...	.315	...	8.00	

Dimensions in inches and (millimeters)

PACKAGE OUTLINE

SOT-227H (Isolation)

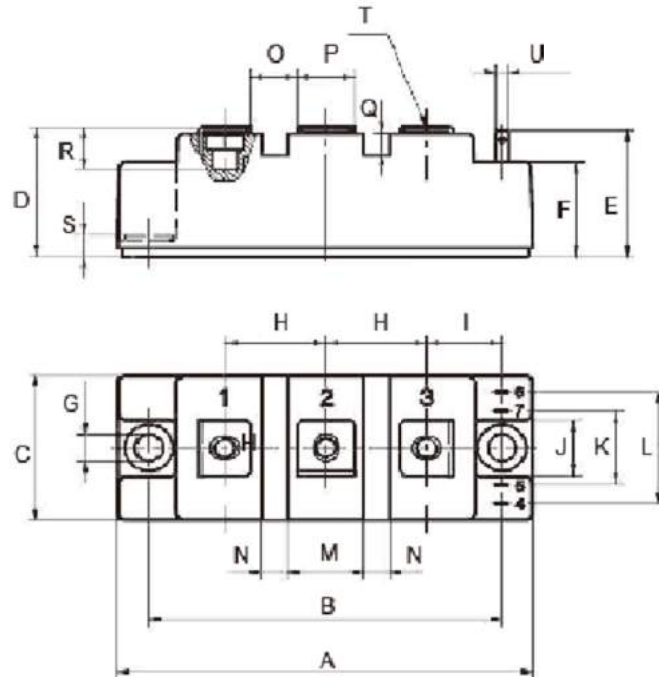


DIM	DIMENSIONS			
	INCHES		MM	
	MIN	MXA	MIN	MXA
A	.449	.492	11.40	12.50
B	.374	.402	9.50	10.20
C	.057	.065	1.45	1.65
D	.002	.003	.03	.07
E	2.535	2.547	64.40	64.70
F	2.102	2.110	53.40	53.60
G	1.110	1.142	28.20	29.00
H	1.259	1.268	31.95	32.20
I	1.453	1.461	36.90	37.10
J	0.815	.831	20.70	21.10
K	.209	.217	5.30	5.50
L	.209	.217	5.30	5.50
M	.307	.323	7.80	8.20
N	.165	.177	4.20	4.50
O	1.921	1.933	48.80	49.10
P	M4*8			

Dimensions in inches and (millimeters)

PACKAGE OUTLINE

HB-9434(Half Bridge)(Isolation)

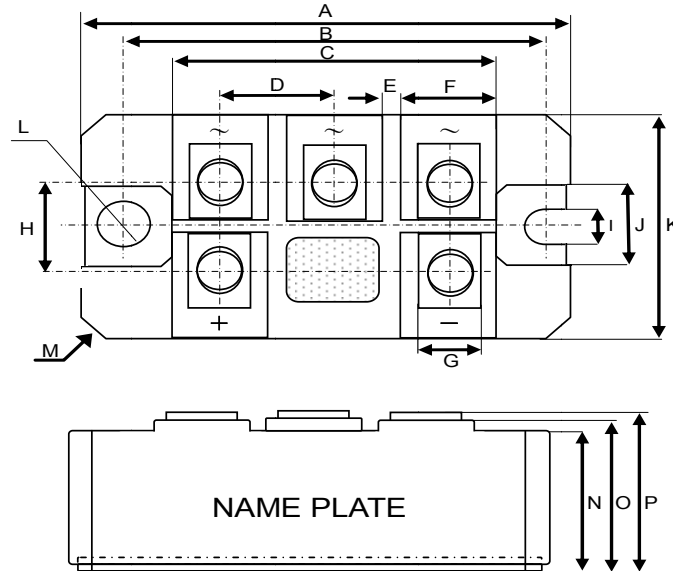


DIMENSIONS					
DIM	INCHES		MM		NOTE
	MIN	MXA	MIN	MXA	
A	---	3.700	---	94.0	
B	---	3.150	---	80.0	
C	---	1.339	---	34.0	
D	---	1.201	---	30.5	
E	---	1.161	---	29.5	
F	---	.866	---	22.0	
G	---	.252	---	6.4	Ø
H	---	.906	---	23.0	
I	---	.689	---	17.5	
J	---	.512	---	13.0	
K	---	.689	---	17.5	
L	---	1.024	---	26.0	
M	---	.699	---	17.0	
N	---	.236	---	6.0	
O	---	.394	---	10.0	
P	---	.512	---	13.0	
Q	---	.197	---	5.0	
R	---	.394	---	10.0	
S	---	.197	---	5.0	
T	M5				
U	---	110*20	---	2.8*0.5	

Dimensions in inches and (millimeters)

PACKAGE OUTLINE

Three Phase (M3P) (Isolation)

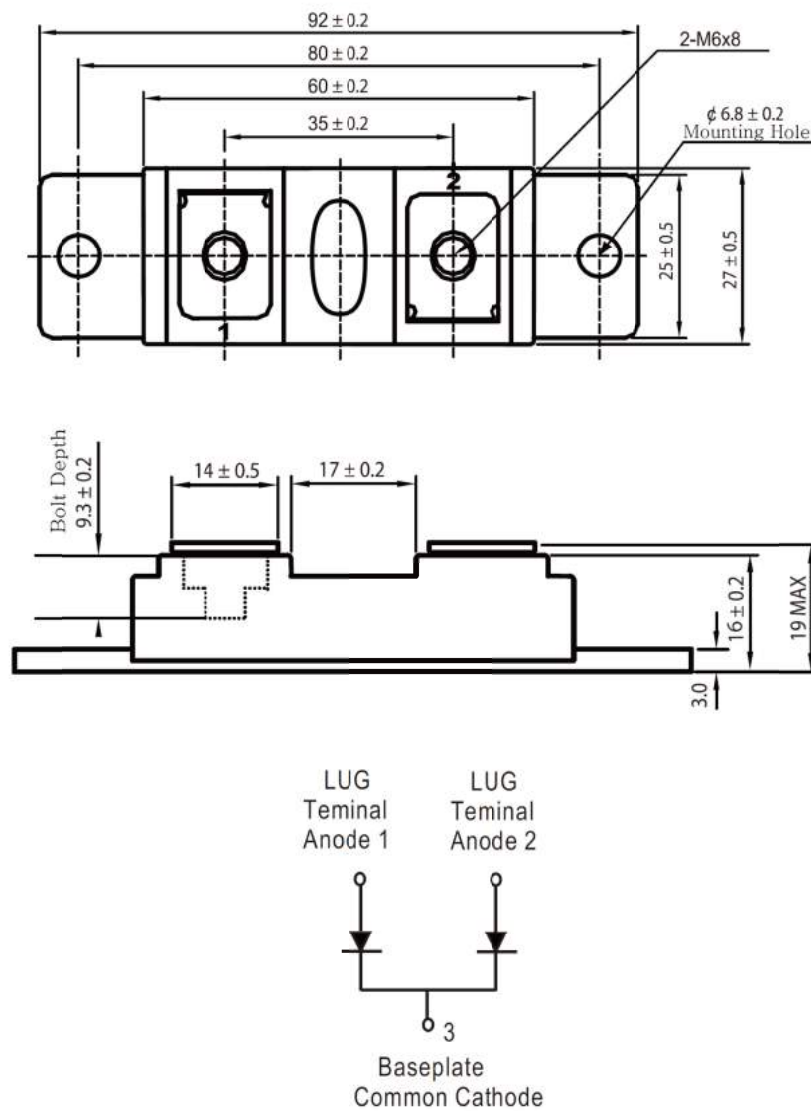


DIM	Inches		Millimeters	
	Min	Max	Min	Max
A	3.15	---	80	---
B	2.60	---	66	---
C	2.01	---	51	---
D	0.71	---	18	---
E	0.16	---	4	---
F	0.57	---	14.5	---
G	0.40	---	10.2	---
H	0.63	---	16	---
I	0.26	---	6.7	---
J	0.55	---	14	---
K	1.57	---	40	---
L	$\varnothing 0.26$	---	$\varnothing 6.7$	---
M	4-C5			
N	---	0.90 MAX	---	23 MAX
O	---	1.06 MAX	---	27 MAX
P	---	1.14 MAX	---	29 MAX

Dimensions in inches and (millimeters)

PACKAGE OUTLINE

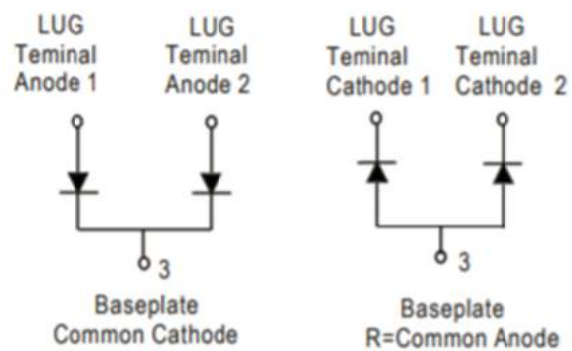
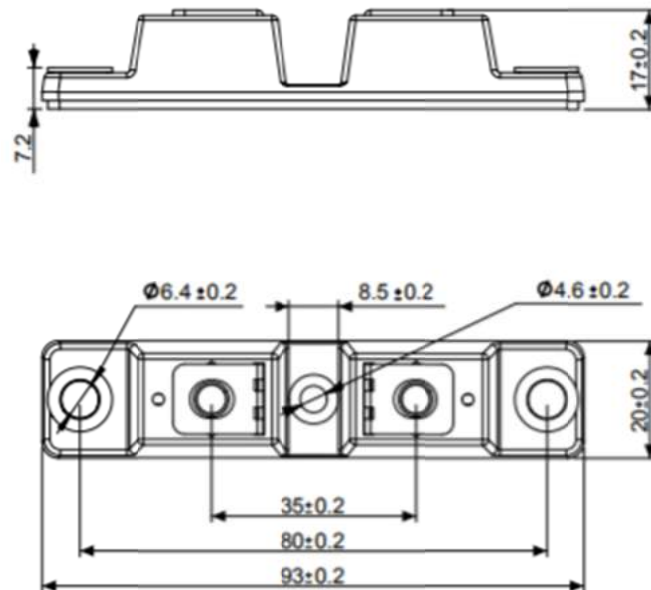
TWIN TOWER(B)



Dimensions in inches and (millimeters)

PACKAGE OUTLINE

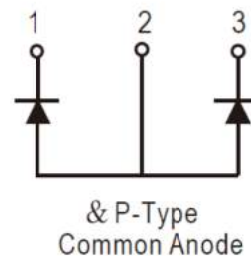
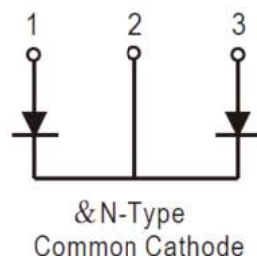
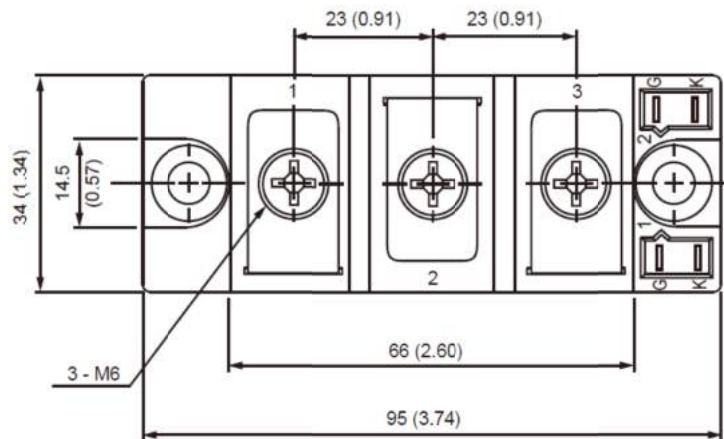
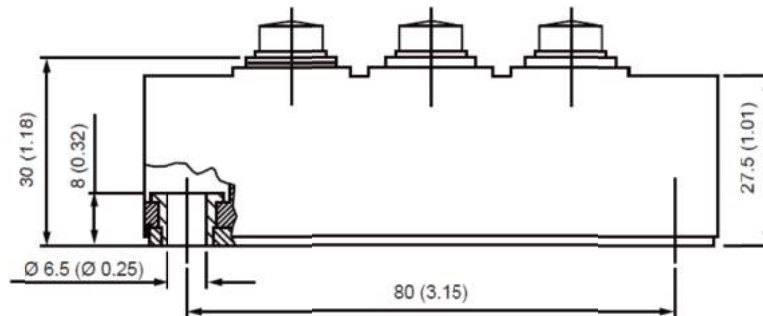
TWIN TOWER(Q)



Dimensions in inches and (millimeters)

PACKAGE OUTLINE

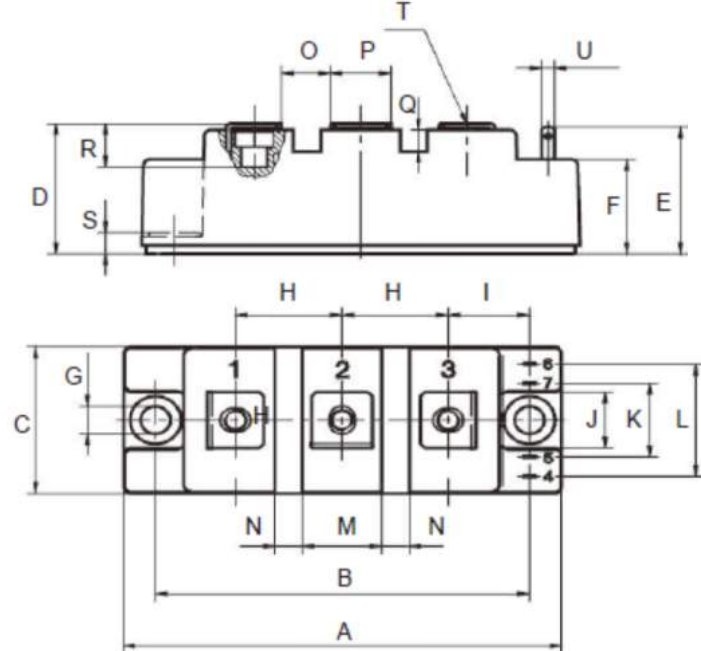
HEAVY THREE TOWER KA(ISOLATED)



Dimensions in inches and (millimeters)

PACKAGE OUTLINE

HW-9434(Half Bridge)(ISOLATED)

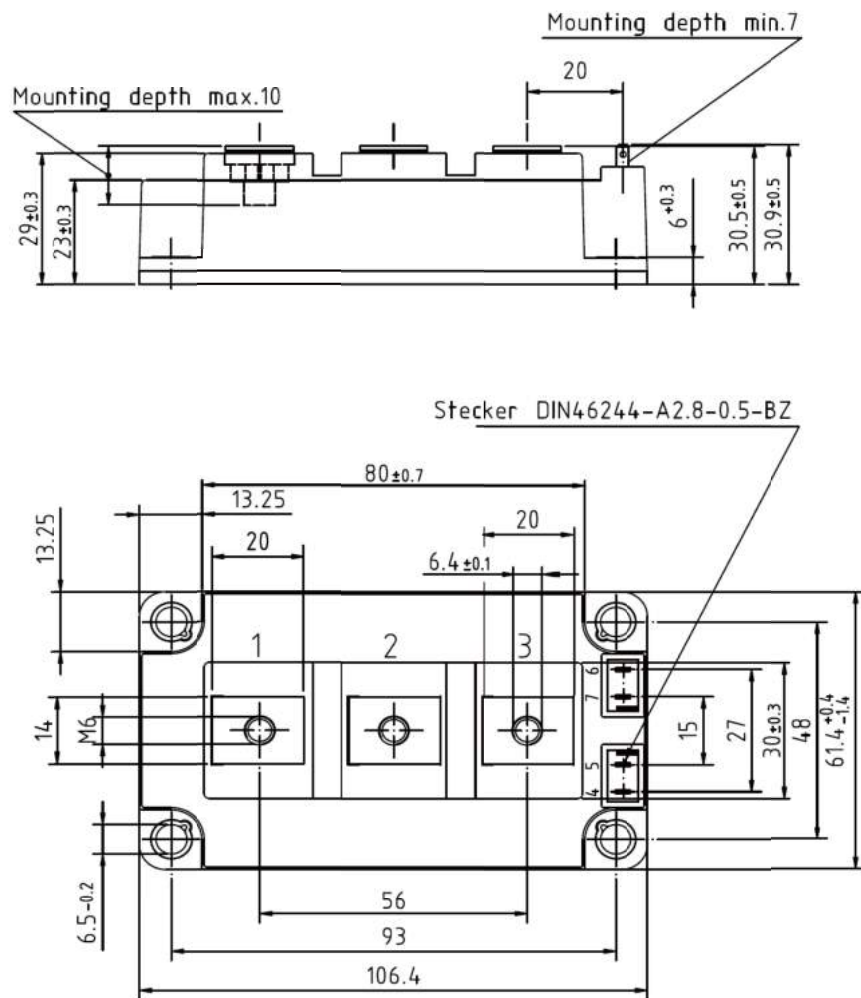


DIMENSIONS					
DIM	INCHES		MM		NOTE
	MIN	MXA	MIN	MXA	
A	---	3.700	---	94.0	
B	3.134	3.165	79.6	80.4	
C	---	1.339	---	34.0	
D	---	1.201	---	30.5	
E	---	1.181	---	30.0	
F	---	.866	---	22.0	
G	---	.252	---	6.4	Ø
H	.894	.917	22.7	23.3	
I	---	.670	---	17.0	
J	---	.512	---	13.0	
K	---	.677	---	17.2	
L	---	1.024	---	26.0	
M	---	.699	---	17.0	
N	---	.236	---	6.0	
O	---	.413	---	10.5	
P	---	.512	---	13.0	
Q	---	.217	---	5.5	
R	---	.512	---	13.0	
S	---	.197	---	5.0	
T	M5				
U	---	110*20	---	2.8*0.5	

Dimensions in inches and (millimeters)

PACKAGE OUTLINE

HWA-10662(ISOLATED)



Dimensions in inches and (millimeters)

SYMBOLS

C_J	Junction Capacitance	T_a	Ambient Temperature
I_F	Forward Current	T_C	Case Temperature
I_{FSM}	Peak Forward Surge Current	T_j	Junction Temperature
I_{GT}	Minimum guaranteed gate trigger current	T_L	Lead Temperature
I_O	Average Forward Rectifier Current	T_{rr}	Reverse Recovery Time
I_R	Reverse Current	V_{BR}	Breakdown Voltage
I_{RR}	Reverse Recovery Current	V_{DC}	Maximum DC Blocking Voltage
I_{RSM}	Maximum Non-repetitive Peak Current	V_F	Forward Voltage
I_{TAV}	Mean on-state current	V_{GT}	Gate trigger voltage
I_{TSM}	Surge on-state current	V_{iso}	Isolation test voltage (r.m.s. /1 min.)
P_D	Steady State Power Dissipation	V_{RM}	Maximum Recurrent Peak Reverse Voltage
P_{PK}	Peak power dissipation	V_{RMS}	RMS Input Voltage
r_T	On-state slope resistance, forward slope resistance (Thyristor)	V_{RRM}	Repetitive Peak Reverse Voltage
R_{th-JA}	Thermal Resistance (Junction to Ambient)	V_{RSM}	Maximum Reverse Voltage (Clamping Voltage) at I_{RSM}
R_{th-JC}	Thermal Resistance(Junction to Case)		

DRAWINGS

All dimensions in inches and (millimeters)

Figures not to scale

TEMPERATURES

Rating at 25°C ambient temperature unless

Otherwise specified