



HIGH CURRENT HALF WAVE ASSEMBLIES

ABSOLUTE MAXIMUM RATINGS (@25°C UNLESS OTHERWISE SPECIFIED)

TEL: 805-498-2111 FAX: 805-498-3804

Device Type	Reverse Voltage		Average Forward Current (1)		Repetitive Surge Current IFRM	1 Cycle Surge Current tp=8.3ms IFSM	Reverse Recovery (4) Trr	Forward Voltage		Reverse Current		Thermal Impedance θJC	Operating & Storage Temp Range		Case Outline
	V _{HWM}	V _{RRM}	I _F (AV) @ T _C					V _F	@I _F	I _R	I _R		TOP & T _{STG}		
			55°C	100°C				@25°C		@25°C	@100°C		Min	Max	
	Volts	Volts	Amps	Amps				Volts	Amps	µA	µA		°C	°C	

ISOPAC™ RANGE

ISOPAC0103	1000	1000	15	11	25	150	2000	1.2	9	1	20	3.0	-55	175	G45
ISOPAC0104	400	400	15	11	25	150	150	1.5	9	1	20	3.0	-55	175	G45
ISOPAC0111	150	150	15	10	24	175	30	1.1	9	10	500	3.0	-55	150	G45
ISOPAC0112	600	600	15	11	25	150	2000	1.2	9	1	20	3.0	-55	175	G45
ISOPAC0119	1000	1000	10	8	15	150	150	2.2	9	1	25	3.0	-55	175	G45
ISOPAC0123	500	500	10	8	15	150	50	1.6	9	10	500	3.0	-55	150	G45
ISOPAC0203	1000	1000	15	11	25	150	2000	1.2	9	1	20	3.0	-55	175	G46
ISOPAC0204	400	400	15	11	25	150	150	1.5	9	1	20	3.0	-55	175	G46
ISOPAC0211	150	150	15	10	24	175	30	1.1	9	10	500	3.0	-55	150	G46
ISOPAC0212	600	600	15	11	25	150	2000	1.2	9	1	20	3.0	-55	175	G46
ISOPAC0219	1000	1000	10	8	15	150	150	2.2	9	1	25	3.0	-55	175	G46
ISOPAC0223	500	500	10	8	15	150	50	1.6	9	10	500	3.0	-55	150	G46
ISOPAC0403	1000	1000	15	11	25	150	2000	1.2	9	1	20	3.0	-55	175	G47
ISOPAC0404	400	400	15	11	25	150	150	1.5	9	1	20	3.0	-55	175	G47
ISOPAC0411	150	150	15	10	24	175	30	1.1	9	10	500	3.0	-55	150	G47
ISOPAC0412	600	600	15	11	25	150	2000	1.2	9	1	20	3.0	-55	175	G47
ISOPAC0419	1000	1000	10	8	15	150	150	2.2	9	1	25	3.0	-55	175	G47
ISOPAC0423	500	500	10	8	15	150	50	1.6	9	10	500	3.0	-55	150	G47
ISOPAC0603	1000	1000	15	11	25	150	2000	1.2	9	1	20	3.0	-55	175	G49
ISOPAC0604	400	400	15	11	25	150	150	1.5	9	1	20	3.0	-55	175	G49
ISOPAC0611	150	150	15	10	24	175	30	1.1	9	10	500	3.0	-55	150	G49
ISOPAC0612	600	600	15	11	25	150	2000	1.2	9	1	20	3.0	-55	175	G49
ISOPAC0619	1000	1000	10	8	15	150	150	2.2	9	1	25	3.0	-55	175	G49
ISOPAC0623	500	500	10	8	15	150	50	1.6	9	10	500	3.0	-55	150	G49
ISOPAC1203	1000	1000	15	11	25	150	2000	1.2	9	1	20	3.0	-55	175	G50
ISOPAC1204	400	400	15	11	25	150	150	1.5	9	1	20	3.0	-55	175	G50
ISOPAC1211	150	150	15	10	24	175	30	1.1	9	10	500	3.0	-55	150	G50
ISOPAC1212	600	600	15	11	25	150	2000	1.2	9	1	20	3.0	-55	175	G50
ISOPAC1219	1000	1000	10	8	15	150	150	2.2	9	1	25	3.0	-55	175	G50
ISOPAC1223	500	500	10	8	15	150	50	1.6	9	10	500	3.0	-55	150	G50
SET01##03	1000	1000	15	11	25	150	2000	1.2	9	1	20	3.0	-55	175	G57
SET01##04	400	400	15	11	25	150	150	1.5	9	1	20	3.0	-55	175	G57
SET01##11	150	150	15	10	24	175	30	1.1	9	10	500	3.0	-55	150	G57
SET01##12	600	600	15	11	25	150	2000	1.2	9	1	20	3.0	-55	175	G57
SET01##19	1000	1000	10	8	15	150	150	2.2	9	1	25	3.0	-55	175	G57
SET01##23	500	500	10	8	15	150	50	1.6	9	10	500	3.0	-55	150	G57
SET04##03	1000	1000	30	22	50	250	2000	1.2	18	2	40	1.5	-55	175	G58
SET04##04	400	400	30	22	50	250	150	1.5	18	2	40	1.5	-55	175	G58
SET04##11	150	150	30	20	48	290	30	1.1	18	20	1000	1.5	-55	150	G58
SET04##12	600	600	30	22	50	250	2000	1.2	18	2	40	1.5	-55	175	G58
SET04##19	1000	1000	20	16	30	250	150	2.2	18	2	50	1.5	-55	175	G58
SET04##23	500	500	20	16	30	250	50	1.6	18	20	1000	1.5	-55	150	G58

NOTES:

- (1) Rating at Case Temperature T_C
- Rating for each leg in multiple diode assemblies
- (4) Measured on discrete devices prior to assembly

Add code for configuration ##:

- 01 = Non-isolated cathode to stud
- 02 = Isolated cathode to stud
- 03 = Non-isolated anode to stud
- 04 = Isolated anode to stud

Device Type	Reverse Voltage		Average Forward Current (1)		Repetitive Surge Current	1 Cycle Surge Current tp=8.3ms	Reverse Recovery (4)	Forward Voltage		Reverse Current		Thermal Impedance	Operating & Storage Temp Range		Case Outline
	V _{RWM}	V _{IRM}	I _F (AV) @ T _C :					I _{FRM}	I _{FSM}	T _{rr}	V _F		@I _F	I _R	
	Volts	Volts	55 C	100 C	Amps	Amps	ns	@25 C		@25 C	@100 C	C/W	Min	Max	
			Amps	Amps	Amps	Amps		Volts	Amps	µA	µA		C	C	

ISOPAC™ RANGE (cont.)

SET05##03	1000	1000	60	44	100	500	2000	1.2	36	4	80	0.75	-55	175	G79
SET05##04	400	400	60	44	100	500	150	1.5	36	4	80	0.75	-55	175	G79
SET05##11	150	150	60	40	96	580	30	1.1	36	40	2000	0.75	-55	150	G79
SET05##12	600	600	60	44	100	500	2000	1.2	36	4	80	0.75	-55	175	G79
SET05##19	1000	1000	40	32	60	500	150	2.2	36	4	320	0.75	-55	175	G79
SET05##23	500	500	40	32	60	500	50	1.6	36	40	2000	0.75	-55	150	G79
SET10##03	1000	1000	90	66	150	750	2000	1.2	54	6	120	0.5	-55	175	G74
SET10##04	400	400	90	66	150	750	150	1.5	54	6	120	0.5	-55	175	G74
SET10##11	150	150	90	60	144	870	30	1.1	54	60	3000	0.5	-55	150	G74
SET10##12	600	600	90	66	150	750	2000	1.2	54	6	120	0.5	-55	175	G74
SET10##19	1000	1000	60	48	90	750	150	2.2	54	6	480	0.5	-55	175	G74
SET10##23	500	500	60	48	90	750	50	1.6	54	60	3000	0.5	-55	150	G74
SET13##03	1000	1000	15	11	25	150	2000	1.2	9	1	20	3.0	-55	175	G76
SET13##04	400	400	15	11	25	150	150	1.5	9	1	20	3.0	-55	175	G76
SET13##11	150	150	15	10	24	175	30	1.1	9	10	500	3.0	-55	150	G76
SET13##12	600	600	15	11	25	150	2000	1.2	9	1	20	3.0	-55	175	G76
SET13##19	1000	1000	10	8	15	150	150	2.2	9	1	80	3.0	-55	175	G76
SET13##23	500	500	10	8	15	150	50	1.6	9	10	500	3.0	-55	150	G76

NOTES:

- (1) Rating at Case Temperature T_C
- (4) Measured on discrete devices prior to assembly

Add code for configuration ##:

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