



SURFACE MOUNT GLASS PASSIVATED

HIGH VOLTAGE SILICON RECTIFIER

VOLTAGE RANGE 5000 Volts CURRENT 0.2 Ampere



Maximum Average Forward Rectified Current at TA = 50°C	lo	200	mAmps	
Peak Forward Surge Current, 8.3 ms single half sine-wave superimposed on rated load (JEDEC method)	IFSM	30	Amps	
Typical Current Squared Time	l ² t	3.735	A ² S	
Typical Thermal Resistance	RθJA	65		
	RθJL	30	°C/W	
Typical Junction Capacitance (Note)	CJ	30	pF	
Operating and Storage Temperature Range	TJ, TSTG	-55 to + 150	° C	

ELECTRICAL CHARACTERISTICS (At TA = 25°C unless otherwise noted)

CHARACTERIST	ICS	SYMBOL	R5000G	UNITS
Maximum Instantaneous Forward Voltage	at 0.2A DC	VF	4.0	Volts
Maximum DC Reverse Current	@TA = 25°C		5.0	uAmps
at Rated DC Blocking Voltage @TA =150°C		IR	5.0	mAmps
Maximum Full Load Reverse Current Ave .375", (9.5mm) lead length at TL = 75°C	rage, Full Cycle		30	uAmps
NOTES : 1.Measured at 1 MHz and applied re	everse voltage of 4.0 volts.			2018-11

2. "ROHS compliant".

3. Available in Halogen-free epoxy by adding suffix -HF after the part nbr.



RATING AND CHARACTERISTIC CURVES (R5000G)





Marking Description



PACKAGING OF DIODE AND BRIDGE RECTIFIERS

BULK PACK

PACKAGE	PACKING CODE	EA PER BOX	INNER BOX SIZE (mm)	CARTON SIZE (mm)	EA PER CARTON	GROSS WEIGHT(Kg)
DO-41	-B	1,000	194*75*21	415*220*255	50,000	16.2

REEL PACK

PACKAGE	PACKING CODE	EA PER REEL	EA PER INNER BOX	COMPONENT SPACE (mm)	TAPE SPACE (mm)	REEL DIA (mm)	CARTON SIZE (mm)	EA PER CARTON	GROSS WEIGHT(Kg)
DO-41	-T	5,000	5,000	5.0	52	330	355*350*335	20,000	10.49

AMMO PACK

PACKAGE	PACKING CODE	REEL (EA)	COMPONENT SPACE(mm)	TAPE SPACE (mm)	BOX SIZE (mm)	CARTON SIZE(mm)	CARTON (EA)	GROSS WEIGHT (Kg)
DO-41	-F	3,000	5.0	52	255*73*100	400*268*225	30,000	13.0
DO-41	-E	3,000	5.0	26	256*48*94	365*270*217	42,000	12.41



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