BY448GP

SINTERED GLASS JUNCTION PLASTIC RECTIFIER

VOLTAGE:1500V

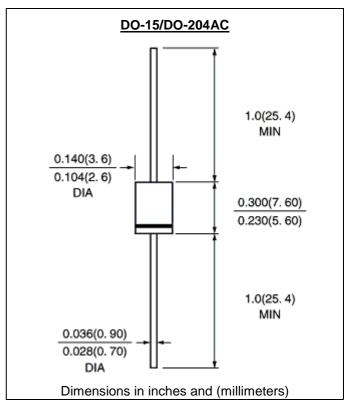
CURRENT: 2.0A



High temperature metallurgically bonded construction Sintered glass cavity free junction Capability of meeting environmental standard of MIL-S-19500 High temperature soldering guaranteed 350° C /10sec/0.375"lead length at 5 lbs tension Operate at Ta =55°C with no thermal run away Typical Ir<0.1 μ A

MECHANICAL DATA Terminal:Plated axial leads solderable per MIL-STD 202E, method 208C Case:Molded with UL-94 Class V-0 recognized Flame Retardant Epoxy Polarity:color band denotes cathode Mounting position:any





MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

(single-phase, half-wave, 60HZ, resistive or inductive load rating at 25°C, unless otherwise stated, for capacitive load, derate current by 20%)

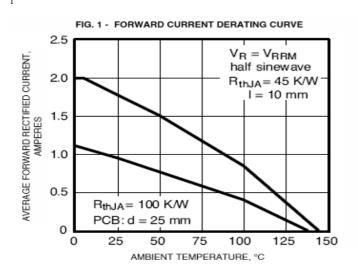
		SYMBOL	BY448GP	units
Maximum Recurrent Peak Reverse Voltage		Vrrm	1650	V
Maximum RMS Voltage		Vrms	1150	V
Maximum DC blocking Voltage		Vdc	1650	V
Maximum Average Forward Rectified Current $3/8$ "lead length at Ta = $55^{\circ}C$		lf(av)	2.0	A
Peak Forward Surge Current 8.3ms single Half sine-wave superimposed on rated load		lfsm	30.0	A
Maximum Instantaneous Forward Voltage at 3.0A		Vf	1.60	V
Maximum full load reverse current full cycle Average at 55°C		lr(av)	100.0	μΑ
Maximum DC Reverse Current at rated DC blocking voltage	Ta =25°C Ta =150°C	lr	5.0 150.0	μΑ μΑ
Typical Reverse Recovery Time	(Note 1)	Trr	1000	nS
Typical Thermal Resistance	(Note 2)	Rth(ja)	100	K/W
Storage and Operating Junction Temperature		Tstg, Tj	-65 to +175	°C

Note:

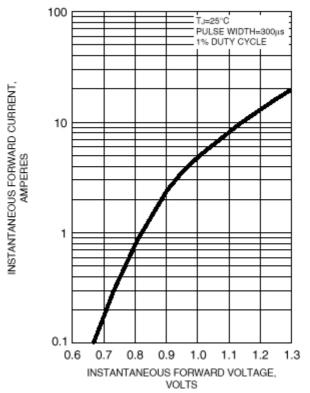
1. Reverse Recovery Condition If =0.5A, Ir =1.0A, Irr =0.25A

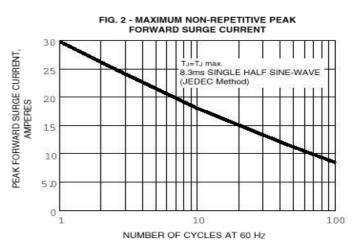
2. Thermal Resistance from Junction to Ambient on PC board with spacing 25mm

RATINGS AND CHARACTERISTIC CURVES BY448GP

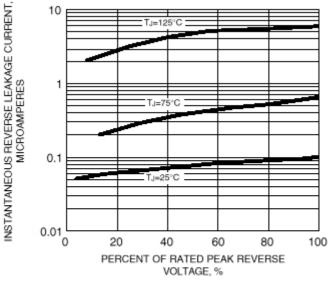


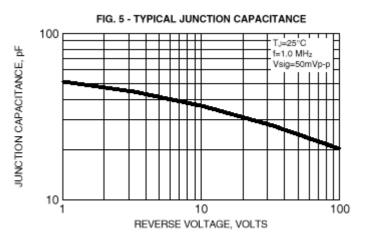












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