BYG10Y

SINTERED GLASS JUNCTION SURFACE MOUNTED RECTIFIER

VOLTAGE: 1600 V CURRENT: 1.5A



FEATURE

For surface mounted application
High temperature metallurgic ally bonded
Sintered glass junction
Capability of meeting environmental standard of MIL-S-19500

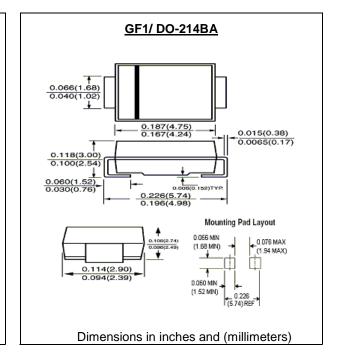
Capability of meeting environmental standard of MIL-S-1950 High temperature soldering guaranteed 450℃/10sec/at terminal / complete device Submersible temperature of 265℃ for 10sec

MECHANICAL DATA

Terminal: Plated Terminal, solderable per MIL-STD 202, method 208C

Case: Molded with UL-94 class V-0 recognized

Flame Retardant Epoxy over Glass Polarity: color band denotes cathode end



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%)

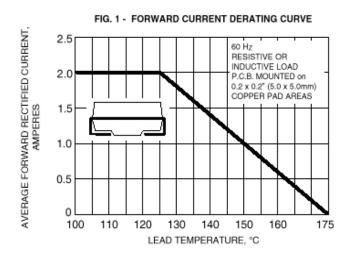
			
	SYMBOL	BYG10Y	units
Maximum Recurrent Peak Reverse Voltage	Vrrm	1600	V
Maximum RMS Voltage	Vrms	1120	V
Maximum DC blocking Voltage	Vdc	1600	V
Maximum Average Forward Rectified Current	If(av)	1.5	Α
Peak Forward Surge Current 8.3ms single half sine-wave superimposed on rated load	Ifsm	50.0	Α
Maximum Forward Voltage at rated Forward current Ta =25 °C	Vf	1.15	V
Maximum full load reverse current full cycle average at 75℃ ambient	Ir(av)	30.0	μA
	lr	5.0 50.0	μA
Typical Junction Capacitance (Note 1)	Cj	15.0	pF
Typical Thermal Resistance (Note 2)	Rth(ja)	80.0	℃W
Operating and Storage Temperature Range	Tstg, Tj	-65 to +175	$^{\circ}\!\mathbb{C}$

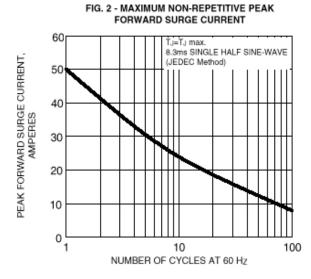
Note:

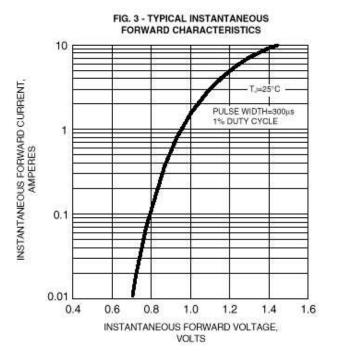
- 1. Measured at 1.0 MHz and applied reverse voltage of 4.0Vdc
- 2. Thermal Resistance from Junction to Ambient 6.0mm² copper pad to each terminal

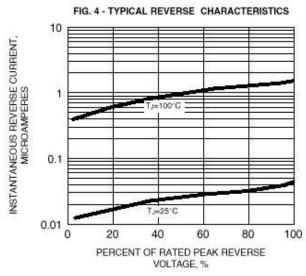
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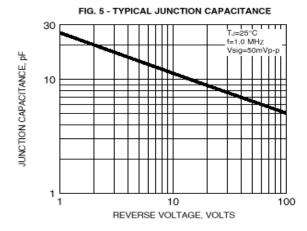
RATINGS AND CHARACTERISTIC CURVES BYG10Y

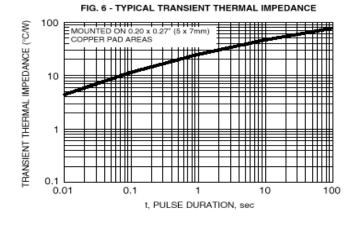












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