

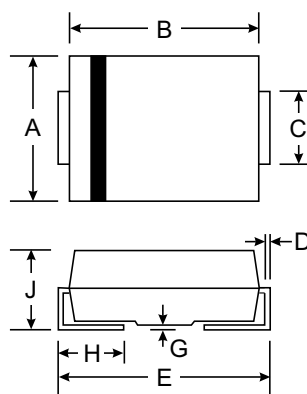
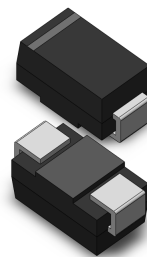
VOLTAGE RANGE: 1600V
CURRENT: 1.5 A

Features

- For surface mounted application
- High temperature metallurgic ally bonded
- Sintered glass junction
- High temperature soldering guaranteed
450°C/10sec/at terminal / complete device
Submersible temperature of 265°C for 10sec

Mechanical Data

- Case: SMA/DO-214AC, Molded Plastic
- Terminals: Solder Plated, Solderable per MIL-STD-750, Method 2026
- Polarity: Cathode Band or Cathode Notch
- Marking: Type Number
- Weight: 0.064 grams (approx.)



SMA(DO-214AC)		
Dim	Min	Max
A	2.29	2.92
B	4.00	4.60
C	1.27	1.63
D	0.15	0.31
E	4.80	5.59
G	0.10	0.20
H	0.76	1.52
J	2.01	2.62
All Dimensions in mm		

Maximum Ratings and Electrical Characteristics T_A = 25°C unless otherwise specified

Single phase, half wave, 60Hz, resistive or inductive load. For capacitive load, derate current by 20%.

Characteristic	Symbol	BYG10Y	Unit
Maximum Recurrent Peak Reverse Voltage	V _{rrm}	1600	V
Maximum RMS Voltage	V _{rms}	1120	V
Maximum DC blocking Voltage	V _{dc}	1600	V
Maximum Average Forward Rectified Current	I _{f(av)}	1.5	A
Peak Forward Surge Current 8.3ms single half sine-wave superimposed on rated load	I _{fsm}	50.0	A
Maximum Forward Voltage at rated Forward current T _a = 25°C	V _f	1.15	V
Maximum full load reverse current full cycle average at 75°C ambient	I _{r(av)}	30.0	μA
Maximum DC Reverse Current at rated DC blocking voltage T _a = 25°C T _a = 125°C	I _r	5.0 50.0	μA
Typical Junction Capacitance (Note 1)	C _j	15.0	pF
Typical Thermal Resistance (Note 2)	R _{th(ja)}	80.0	°C/W
Operating and Storage Temperature Range	T _{stg} , T _j	-65 to +175	°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

RATINGS AND CHARACTERISTIC CURVES BYG10Y

FIG. 1 - FORWARD CURRENT DERATING CURVE

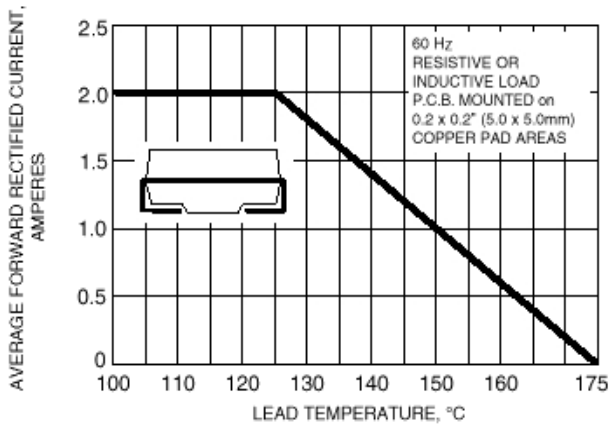


FIG. 2 - MAXIMUM NON-REPETITIVE PEAK FORWARD SURGE CURRENT

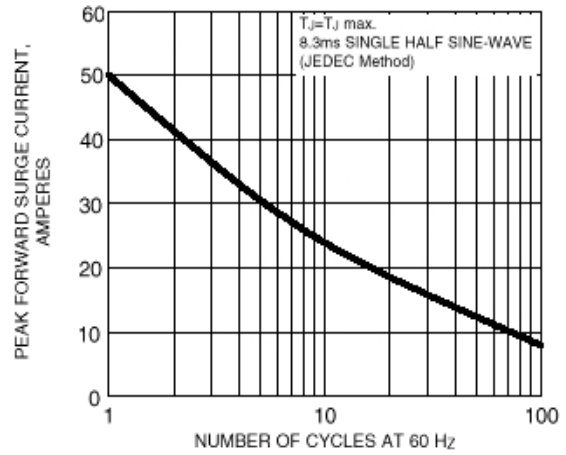


FIG. 3 - TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS

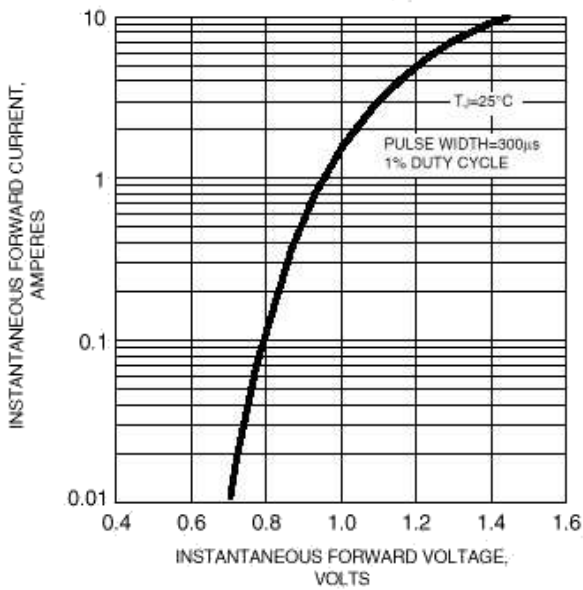


FIG. 4 - TYPICAL REVERSE CHARACTERISTICS

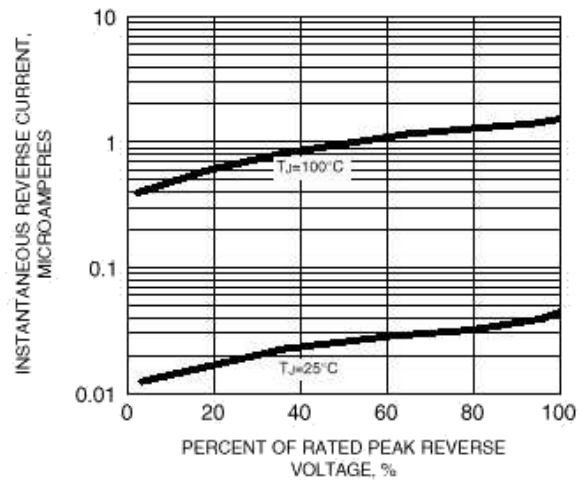


FIG. 5 - TYPICAL JUNCTION CAPACITANCE

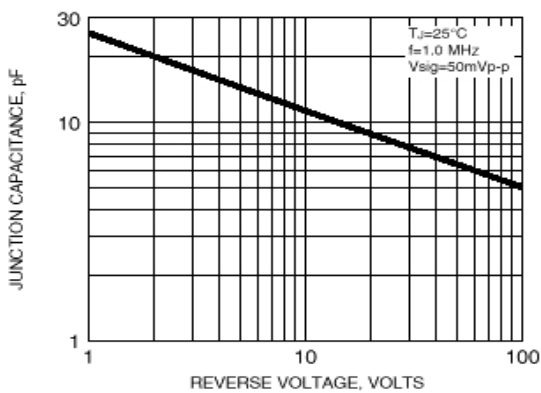
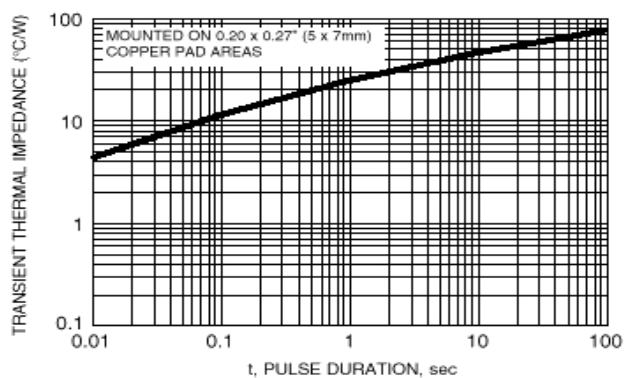


FIG. 6 - TYPICAL TRANSIENT THERMAL IMPEDANCE



单击下面可查看定价，库存，交付和生命周期等信息

[>>SUNMATE\(森美特\)](#)