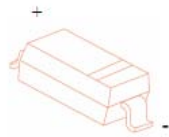




BAV100W THRU BAV103W

0.25 AMP SURFACE MOUNT SILICON RECTIFIERS



FEATURES

- Fast Switching Speed
- Surface Mount Package Ideally Suited for Automatic Insertion
- For General Purpose Switching Applications
- High Conductance

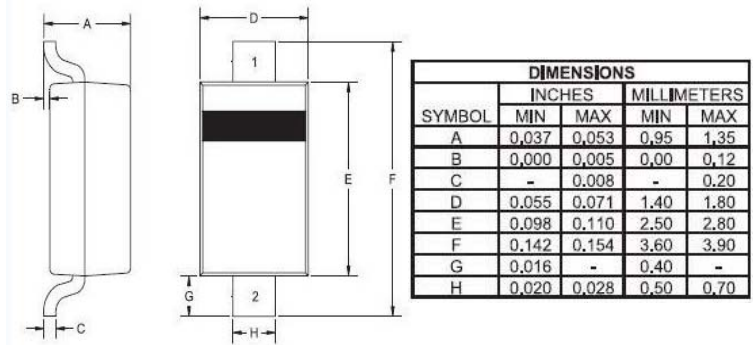
VOLTAGE RANGE

60 - 250 Volts

CURRENT

0.25 Ampere

SOD123



MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating 25°C ambient temperature unless otherwise specified.
 Single phase half wave, 60Hz, resistive or inductive load.
 For capacitive load, derate current by 20%.

TYPE NUMBER	BAV100W	BAV101W	BAV102W	BAV103W	UNITS	
Maximum Recurrent Peak Reverse Voltage	60	120	200	250	V	
Maximum RMS Voltage	50	100	150	200	V	
Maximum DC Blocking Voltage	60	120	200	250	V	
Maximum Average Forward Rectified Current						
See Fig. 1	0.25				A	
Peak Forward Surge Current	@ at 1s				1.0	A
	@ at 1ms				3.0	A
	@ at 1 us				9.0	A
Maximum Instantaneous Forward Voltage	at 100 m A				1.00	V
	at 200 m A				1.25	V
Maximum DC Reverse Current	Ta=25°C				0.1	µA
at Rated DC Blocking Voltage						
Typical Junction Capacitance					5	pF
Total Power Dissipation					500	mW
Maximum Reverse Recovery Time					50	ns
Operating Temperature Range Tj					-55 to +150	°C
Storage Temperature Range Tstg					-55 to +150	°C

RATING AND CHARACTERISTIC CURVES BAV100W THRU BAV103W

Fig.1 Forward Current Derating Curve

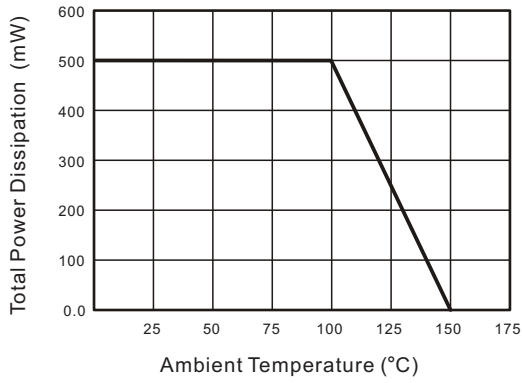


Fig.2 Typical Reverse Characteristics

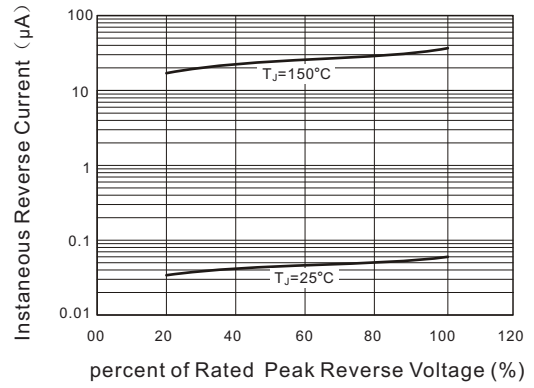


Fig.3 Typical Instaneous Forward Characteristics

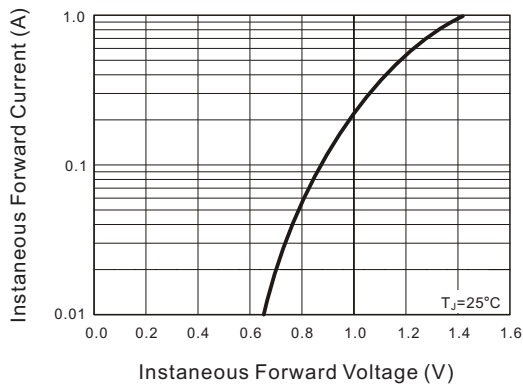


Fig.4 Typical Junction Capacitance

