SB22-A THRU SB26-A

SURFACE MOUNT SCHOTTKY BARRIER RECTIFIER

VOLTAGE:20 TO 60V CURRENT: 2.0A



FEATURE

Plastic package has Underwriters Laboratory Flammability Classification

94V-0

For surface mounted applications

Low profile package

Built-in strain relief

Low power loss, high efficiency

High current capability, low forward voltage drop

High surge capability

For use in low voltage high frequency inverters, free wheeling, and polarity

protection applications

Guard ring for over voltage protection

High temperature soldering guaranteed:

250°C /10 seconds at terminals

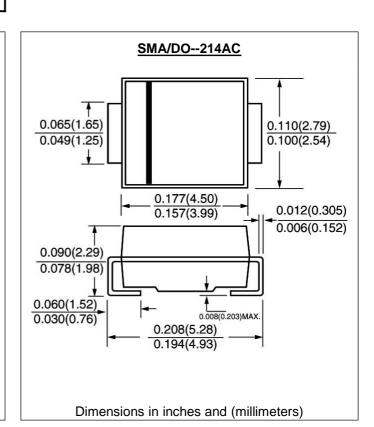
MECHANICAL DATA

Case: JEDEC SMA/DO-214AC molded plastic body

Terminals: Solder plated, solderable per MIL-STD-750, Method 2026

Polarity: Color band denotes cathode end

Weight: 0.002 ounce, 0.064 gram



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%)

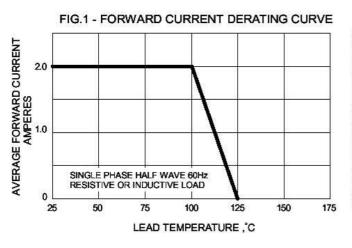
		SYMBOL	SB 22-A	SB 23-A	SB 24-A	SB 25-A	SB 26-A	units
Maximum Recurrent Peak Reverse Voltage		Vrrm	20	30	40	50	60	V
Maximum RMS Voltage		Vrms	14	21	28	35	42	V
Maximum DC blocking Voltage		Vdc	20	30	40	50	60	V
Maximum Average Forward Rectified Current 3/8"lead length at T _L =100°C		If(av)	2.0					А
Peak Forward Surge Current 8.3ms single half sine-wave superimposed on rated load		Ifsm	50.0					А
Maximum Forward Voltage at rated Forward current	(Note 1)	Vf		0.5		0.7		V
Maximum DC Reverse Current	Ta =25°C	lr	0.5					A
at rated DC blocking voltage	$Ta = 100^{\circ}C$	II II		20.0		10	0.0	- mA
Typical Thermal Resistance	(Note 2)	Rth(ja)	75.0			°C /W		
Operating junction temperature range		Tj	-55 to +125					°C
Storage Temperature range		Tstg	-55 to +150					°C

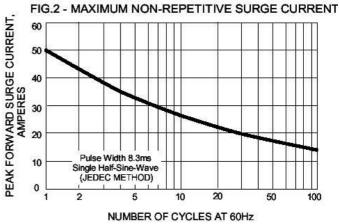
NOTE:

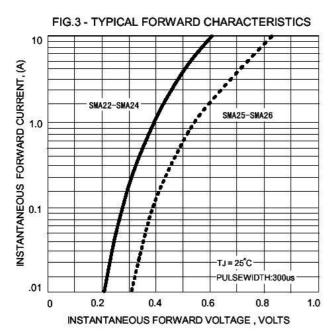
(1) Pulse test: 300μs pulse width, 1% duty cycle

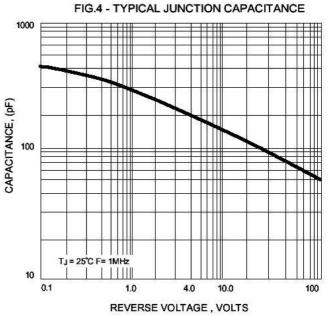
(2) P.C.B. mounted with 0.2 x 0.2inches(5.0 x 5.0mm) copper pad areas

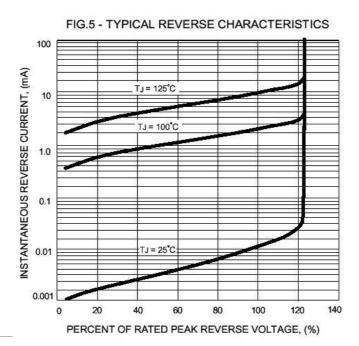
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