SB15100F

SCHOTTKY BARRIER RECTIFIER

VOLTAGE: 100V CURRENT: 15.0A



FEATURE

High current capability, Low forward voltage drop Low power loss, high efficiency High surge capability High temperature soldering guaranteed 250℃ /10sec/0.375" lead length at 5 lbs tension

MECHANICAL DATA

Case: JEDEC ITO-220 molded plastic body over

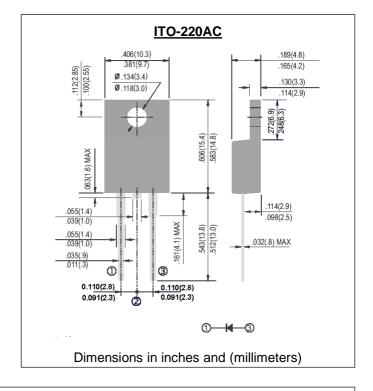
passivated chip

Terminals: Plated axial leads, solderable per MIL-STD-750,

Method 2026

Polarity: Color band denotes cathode end

Mounting Position: Any



MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

(single-phase, half-wave, 60HZ, resistive or inductive load rating at 25℃, unless otherwise stated)

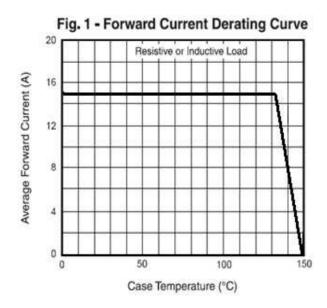
	SYMBOL	SB15100F	units
Maximum Recurrent Peak Reverse Voltage	Vrrm	100	V
Maximum RMS Voltage	Vrms	70	V
Maximum DC blocking Voltage	Vdc	100	V
Maximum Average Forward Rectified Current at Tc=133℃	If(av)	15	Α
Peak Forward Surge Current 8.3ms single half sinewave superimposed on rated load	Ifsm	150	А
Maximum Forward Voltage at 15A	Vf	0.80	V
Maximum DC Reverse Current $Ta = 25$ °C at rated DC blocking voltage $Ta = 110$ °C	Ir	250 6.0	μ A mA
Typical Thermal Resistance (Note 1)	Rth(jc)	5.5	C/W
Operating Junction and Storage Temperature Ramge	Tj, Tstg	-65 to +150	C

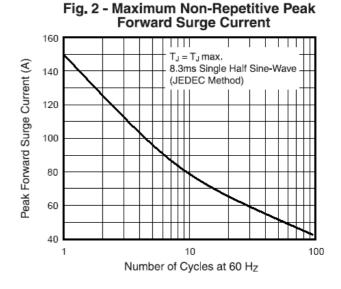
Note:

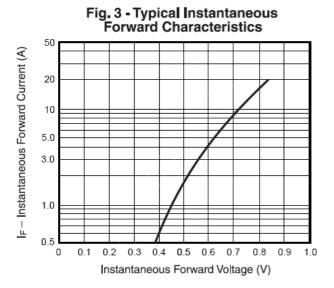
1.Thermal Resistance from Junction to Case

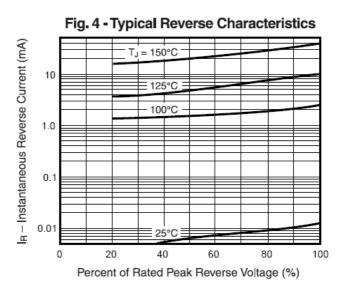
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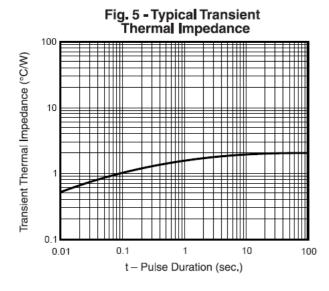
RATINGS AND CHARACTERISTIC CURVES SB15100F











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