SB10200FCT

SCHOTTKY BARRIER RECTIFIER

VOLTAGE: 200V **CURRENT: 10.0A**

GULF SEMI

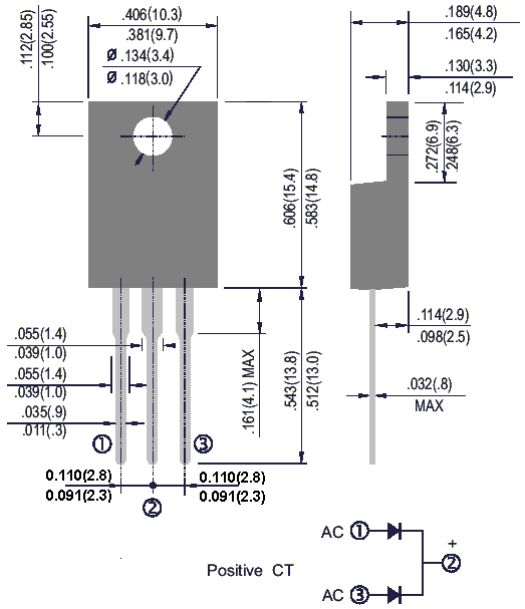
FEATURE

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

Terminal: Plated Insert leads, solderable per MIL-STD-750, Method 2026
Case: Molded with UL-94 Class V-0 recognized Flame Retardant Epoxy
Polarity: Common Cathode
Mounting position: any

ITO-220AB



Dimensions in inches and (millimeters)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

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

	SYMBOL	SB10200FCT	units
Maximum Recurrent Peak Reverse Voltage	Vrrm	200	V
Maximum RMS Voltage	Vrms	140	V
Maximum DC blocking Voltage	Vdc	200	V
Maximum Average Forward Rectified Current	If(av)	10	A
Peak Forward Surge Current 8.3ms single half sine-wave superimposed on rated load	Ifsm	150	A
Maximum Forward Voltage at 5A	Vf	0.90	V
Maximum DC Reverse Current Ta =25℃ at rated DC blocking voltage Ta =110℃	Ir	50 10	μA mA
Typical Thermal Resistance (Note 1)	Rth(jc)	4.5	℃/W
Operating Junction and Storage Temperature Ramge	Tj Tstg	-50 to +150	℃

Note:
1.Thermal Resistance from Junction to Case

Fig. 1 – Forward Derating Curve (Total)

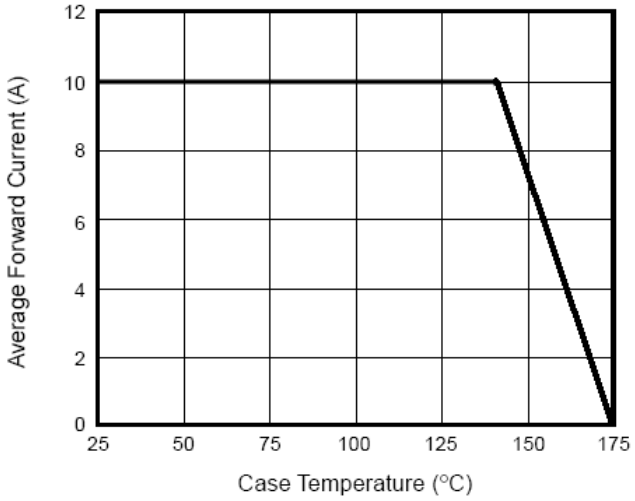


Fig. 2 - Maximum Non-repetitive Peak Forward Surge Current

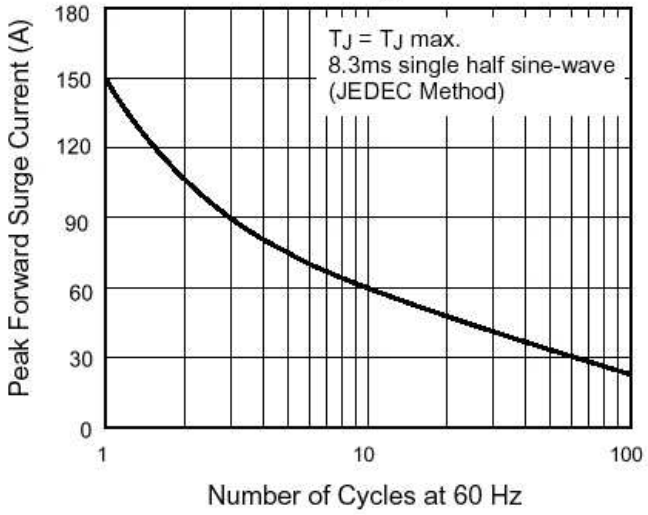


Fig. 3 – Typical Instantaneous Forward Characteristics Per Leg

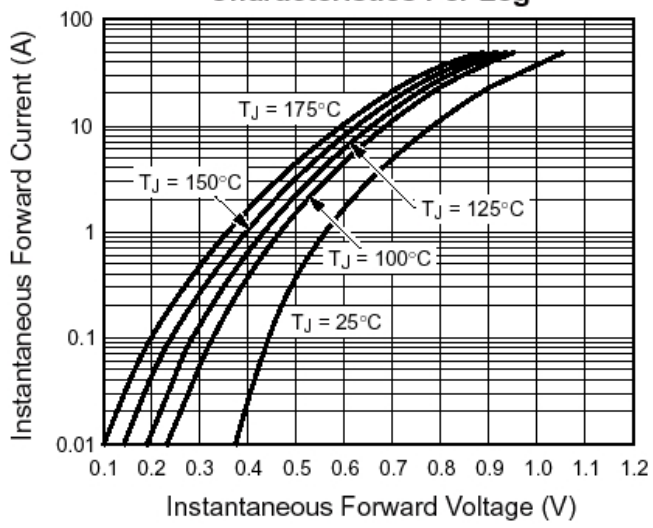


Fig. 4 – Typical Reverse Characteristics Per Leg

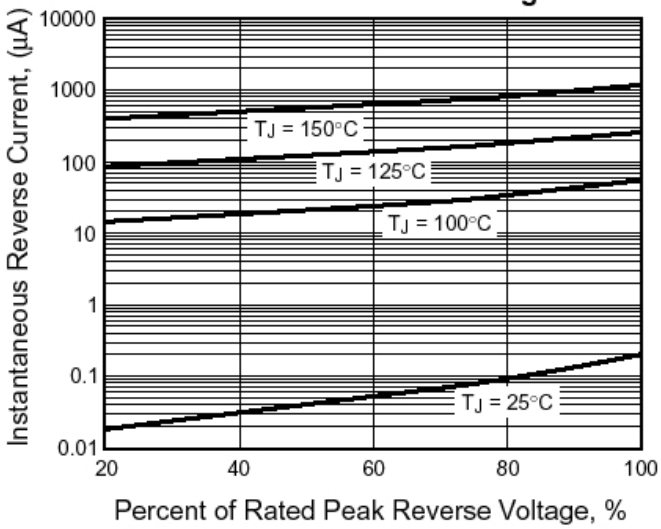


Fig. 6 – Typical Transient Thermal Impedance Per Leg