



Schottky Barrier Rectifier

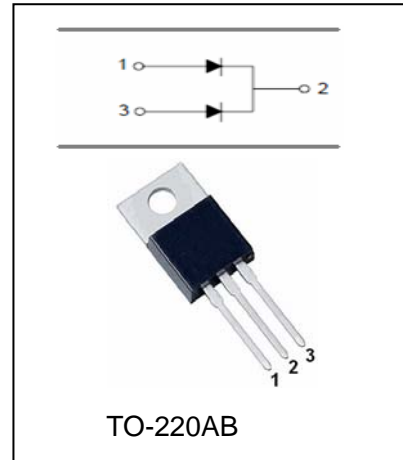
SBL20150CT

FEATURES

- Excellent High Temperature Stability
- Low Forward Voltage Drop
- Super Barrier Design.
- Soft, Fast Switching Capability



Lead-free



MAXIMUM RATING operating temperature range applies unless otherwise specified

Symbol	Parameter	Value	Unit
V_{RRM}	Recurrent Peak Reverse Voltage	150	V
V_{RMS}	RMS Voltage	106	V
I_o	Average Rectified Output Current @ $T_C=150^{\circ}C$	20	A
I_{FSM}	Peak Forward Surge Current 8.3ms Single Half Sine-wave Superimosed on Rated Load	150	A
$R_{\theta JC}$	Thermal Resistance	2	$^{\circ}C/W$
T_j, T_{stg}	Operating and Storage Temperature Range	-65 to +175	$^{\circ}C$

Note:1.Thermal resistance junction to case.

ELECTRICAL CHARACTERISTICS @ $T_a=25^{\circ}C$ unless otherwise specified.

Parameter	Symbol	Test conditions	SBL20150CT	UNIT
			MAX	
Forward Voltage	V_F	$I_F=10A$	0.88	V
Reverse Current	I_R	$V_R=V_{RRM}, T_A=25^{\circ}C$ $V_R=V_{RRM}, T_A=125^{\circ}C$	0.1 10	mA



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TYPICAL CHARACTERISTICS @ Ta=25°C unless otherwise specified

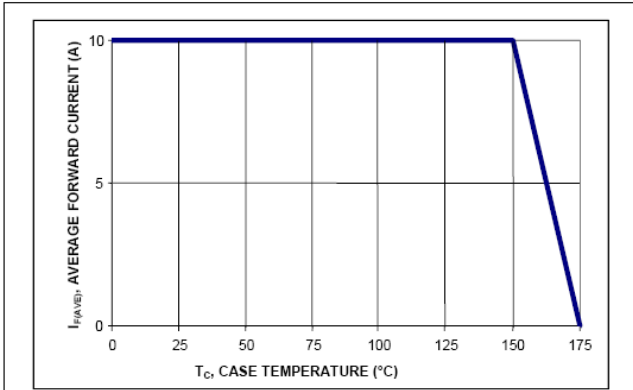


Figure 1: Current Derating Curve, Per Element

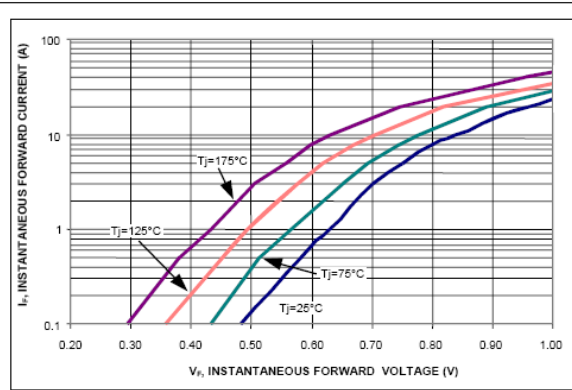


Figure 2: Typical Forward Characteristics, Per Element

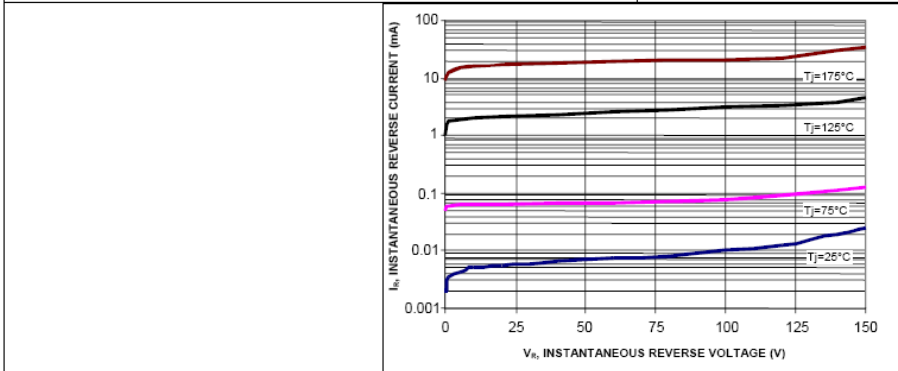


Figure 3: Typical Reverse Characteristics, Per Element



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PACKAGE OUTLINE

Plastic surface mounted package

TO-220AB

