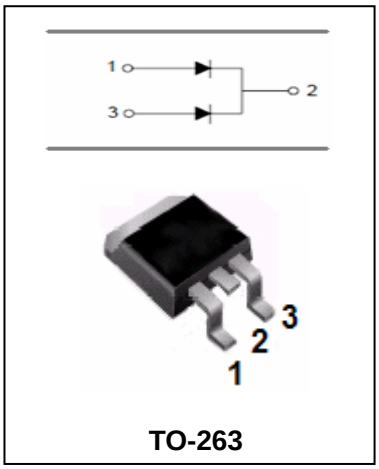
Schottky Barrier Rectifier SBLB1640CT

FEATURES

Lead-free

- High Surge Capacity.
- For Use In Low Voltage,High Frequency Inverters, Free Wheeling and Polarity Protection Applications.
- Metal Silicon Junction,Majority Carrier Conduction.
- High Current Capacity,Low Forward Voltage Drop.
- Guard Ring for Over Voltage Protection.



TO-263

MAXIMUM RATING operating temperature range applies unless otherwise specified

Symbol	Parameter	Value	Unit
V_{RRM}	Repetitive Peak Reverse Voltage	40	V
V_{RMS}	RMS Voltage	28	V
V_{DC}	DC Blocking Voltage	40	V
$I_{F(AV)}$	Average Forward Rectified Current @T_A=100℃	16	A
I_{FSM}	Peak Forward Surge Current 8.3ms Single Half Sine-wave superimposed on rated load	150	A
$R_{\theta JC}$	Thermal Resistance (Note1)	2.0	℃/W
T_j T_{stg}	Operating Junction and StorageTemperature Range	-55 to +150	℃

Note:1.Thermal resistance from junction to case.

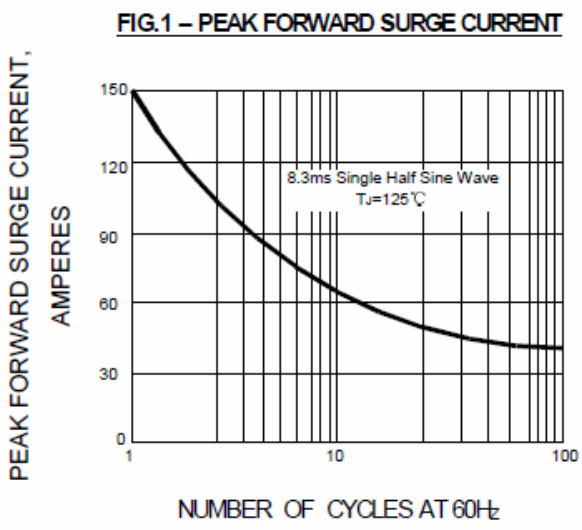
Schottky Barrier Rectifier SBLB1640CT

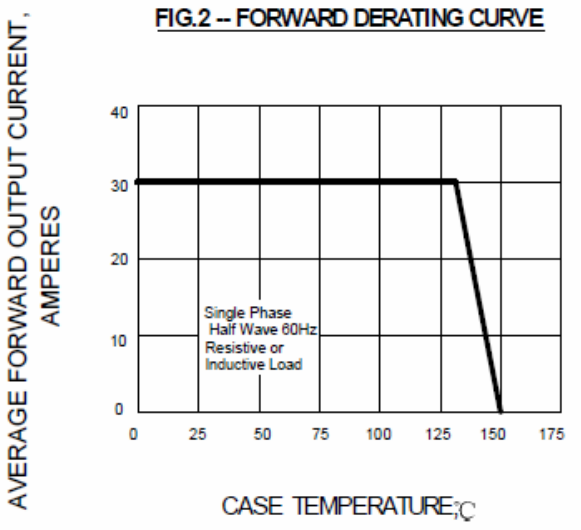
ELECTRICAL CHARACTERISTICS@ Ta=25℃ unless otherwise specified

Parameter	Symbol	Test conditions	Value	UNIT
Reverse Current	I_R	$V_{RM}=V_{RRM}, T_A=25℃$ $V_{RM}=V_{RRM}, T_A=100℃$	0.5 50	mA
Forward Voltage	V_F (Note1)	I_F=8A	0.47	V

Note:1.Pulse tese:300μs pulse width,1% duty cycle.

TYPICAL CHARACTERISTICS @ Ta=25℃ unless otherwise specified

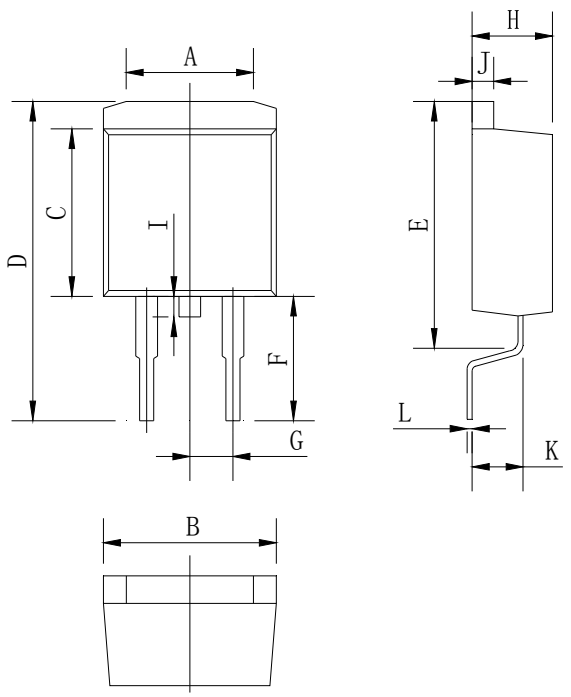




Schottky Barrier Rectifier SBLB1640CT

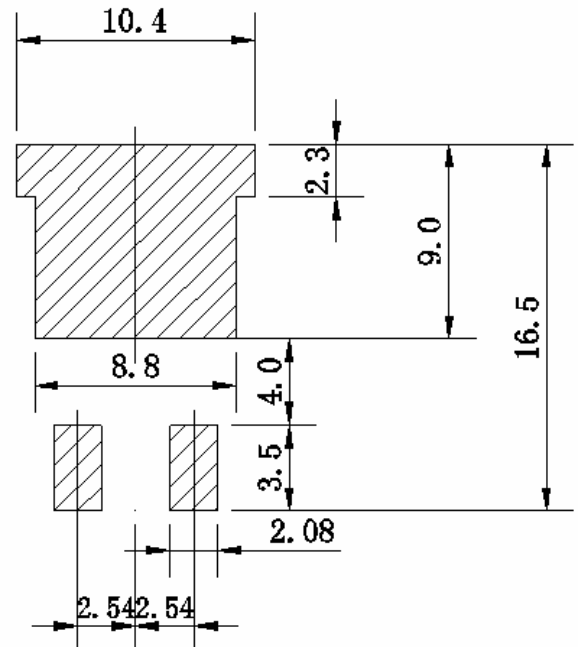
PACKAGE OUTLINE

Plastic surface mounted package TO-263



TO-263		
A	7.40	7.60
B	10.08	10.28
C	8.35	8.75
D	16.05	16.45
E	11.70	12.10
F	5.00	5.60
G	2.54Typ	
H	4.63	4.83
I	4.95	5.45
J	1.27Typ.	
K	2.80	3.20
L	0.30Typ.	

SOLDERING FOOTPRINT



Unit:mm