SBL1060CT SBF1060CT



10A SCHOTTKY BARRIER RECTIFIER

Features

- Ultra Low Forward Voltage Drop
- Excellent High Temperature Stability
- Patented Super Barrier Rectifier Technology
- Soft, Fast Switching Capability

Mechanical Data

- Case: TO-220AB, ITO-220AB
- Case Material: Molded Plastic, UL Flammability Classification Rating 94V-0
- Terminals: Matte Tin Finish annealed over Copper leadframe. Solderable per MIL-STD-202, Method 208

123 TO-220 123 ITO-220



Ordering Information

Part No.	Package	Packing
SBL1060CT	TO-220AB	50pcs / Tube
SBF1060CT	ITO-220AB	50pcs / Tube

Maximum Ratings (Per Leg) @T_A = 25°C unless otherwise specified

Single phase, half wave, 60Hz, resistive or inductive load.

Characteristic	Symbol	Value	Unit
Peak Repetitive Reverse Voltage Working Peak Reverse Voltage DC Blocking Voltage	V _{RRM} V _{RWM} V _{RM}	60	V
Average Rectified Output Current Per Device (Per Leg)	lo	5	А
Non-Repetitive Peak Forward Surge Current 8.3ms Single Half Sine-Wave Superimposed on Rated Load	I _{FSM}	125	А
Peak Repetitive Reverse Surge Current (2µS-1kHz)	I _{RRM}	3	A

Thermal Characteristics (Per Leg)

Characteristic	Symbol	Value	Unit
Typical Thermal Resistance			
Package = TO-220AB	R _{0JC}	3	°C/W
Package = ITO-220AB		4.5	
Operating and Storage Temperature Range	T _J , T _{STG}	125, -55 to +150	°C

Electrical Characteristics (Per Leg) @T_A = 25°C unless otherwise specified

Characteristic	Symbol	Min	Тур	Max	Unit	Test Condition
Forward Voltage Drop	V _F	-	-	0.7	V	I _F = 5A, T _J = 25°C
Leakage Current (Note 1)	I _R	-	-	0.3 60	mA	V _R = 60V, T _J = 25°C V _R = 60V, T _J = 100°C

Notes: 1. Short duration pulse test used to minimize self-heating effect.



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	TO-220AB				
Unit:mm					
DIM	MIN	MAX			
А	14.80	15.80			
В	9.57	10.57			
С	2.54	2.94			
D	5.80	6.80			
Е	2.95	3.95			
F	12.70	13.40			
G	2.34	2.74			
Н	0.51	1.11			
Ι	0.97	1.57			
J	3. 54 ø	4.14 ¢			
K	4.27	4.87			
L	1.07	1.47			
М	2.03	2.92			
Ν	0.30	0.64			





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ITO-220AB Unit:mm					
DIM	MIN	MAX			
А	14.50	15.50			
В	9.50	10.50			
С	2.50	2.90			
D	6.30	7.30			
E	3.30	4.30			
F	13.00	14.00			
G	2.35	2.75			
Н	0.30	0.90			
1	0.90	1.50			
J	3.20	3.80			
к	4.24	4.84			
L	2.52	2.92			
М	1.09	1.49			
Ν	0.47	0.63			



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