

Order code	Description Description			
47-2548	SB350	SB350 SCHOTTKY DIODE 3A (RC)		

The enclosed information is believed to be correct, Information may change 'without notice' due to product improvement. Users should ensure that the product is suitable for their use. E. & O. E.

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Revision A

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SB320 - SB3100

Features

- 3.0 ampere operation at T_A = 75°C with no thermal runaway.
- For use in low voltage, high frequency inverters free wheeling, and polarity protection applications.



DO-201AD COLOR BAND DENOTES CATHODE

Schottky Rectifiers

Absolute Maximum Ratings* T_A = 25°C unless otherwise noted

Symbol	Parameter		Units						
		320	330	340	350	360	380	3100	
V _{RRM}	Maximum Repetitive Reverse Voltage	20	30	40	50	60	80	100	V
I _{F(AV)}	Average Rectified Forward Current .375 " lead length @ T _A = 75°C	3.0					А		
I _{FSM}	Non-repetitive Peak Forward Surge Current 8.3 ms Single Half-Sine-Wave	80					А		
T _{stg}	Storage Temperature Range	-65 to +125				°C			
TJ	Operating Junction Temperature -65 to +125					°C			

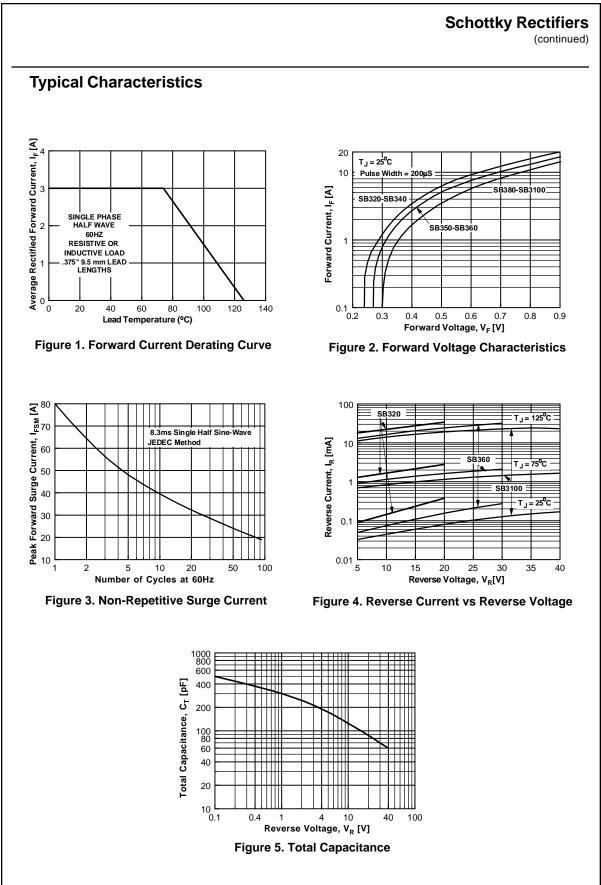
*These ratings are limiting values above which the serviceability of any semiconductor device may be impaired.

Thermal Characteristics

Symbol	Parameter	Value	Units
P _D	Power Dissipation	3.6	W
$R_{ ext{ hetaJA}}$	Thermal Resistance, Junction to Ambient	40	°C/W

Electrical Characteristics T_A = 25°C unless otherwise noted

Symbol	Parameter		Units						
		320	330	340	350	360	380	3100	
V _F	Forward Voltage @ 3.0 A	500 740 850				50	mV		
I _R	Reverse Current @ rated V _R T _A = 25°C	0.5					mA		
	T _A = 100°C		20		1	0		10	mA
۱ _m	Maximum Full Load Reverse Current, Full Cycle T _A = 100°C	30					mA		
C _T	Total Capacitance $V_{R} = 4.0 \text{ V}, \text{ f} = 1.0 \text{ MHz}$ 180						pF		



SB320-SB3100, Rev. C

SB320-SB3100

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