查询SB270供应商 捷多邦，专业PCB打样工厂，24小时加急 原装

GOOD-ARK

SB220 THRU SB2B0

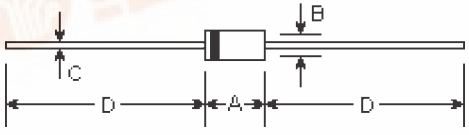
SCHOTTKY BARRIER RECTIFIER

Reverse Voltage - 20 to 100 Volts
Forward Current - 2.0 Amperes

Features

- Plastic package has Underwriters Laboratory Flammability Classification 94V-0 utilizing Flame retardant epoxy molding compound
- 2.0 ampere operation at T_L=75℃ with no thermal runaway
- For use in low voltage, high frequency inverters free wheeling, and polarity protection applications

DO-15



Mechanical Data

- **Case:** Molded plastic, DO-15
- **Terminals:** Axial leads, solderable per MIL-STD-202, method 208
- **Polarity:** Color band denotes cathode
- **Mounting Position:** Any
- **Weight:** 0.014 ounce, 0.39 gram

DIMENSIONS					
DIM	inches		mm		Note
	Min.	Max.	Min.	Max.	
A	0.228	0.299	5.8	7.6	
B	0.102	0.142	2.6	3.6	ϕ
C	0.028	0.034	0.71	0.86	ϕ
D	1.000	-	25.40	-	

Maximum Ratings and Electrical Characteristics

Ratings at 25℃ ambient temperature unless otherwise specified.
Single phase, half wave, 60Hz, resistive or inductive load.

	Symbols	SB220	SB230	SB240	SB250	SB260	SB270	SB280	SB290	SB2B0	Units
Maximum repetitive peak reverse voltage	V_{RRM}	20	30	40	50	60	70	80	90	100	Volts
Maximum RMS voltage	V_{RMS}	14	21	28	35	42	49	56	63	70	Volts
Maximum DC blocking voltage	V_{DC}	20	30	40	50	60	70	80	90	100	Volts
Maximum average forward rectified current 0.375" (9.5mm) lead length at T_L=75℃	$I_{(AV)}$	2.0									Amps
Peak forward surge current, I_{FM} (surge): 8.3mS single half sine-wave superimposed on rated load (MIL-STD-750D 4066 method)	I_{FSM}	50.0									Amps
Maximum forward voltage at 2.0A	V_F	0.55			0.70			0.85			Volts
Maximum full load reverse current, full cycle average at T_A=75℃	$I_{R(AV)}$	30.0									mA
Maximum DC reverse current at rated DC blocking voltage T_A=25℃ T_A=100℃	I_R	2.0 20.0									mA
Typical junction capacitance (Note 1)	C_J	170.0									ρF
Typical thermal resistance (Note 2)	$R_{\theta JA}$	35.0									℃/W
Operating and storage temperature range	T_J, T_{STG}	-50 to +125									℃

Notes:
(1) Measured at 1.0MHz and applied reverse voltage of 4.0 VDC
(2) Thermal resistance junction to ambient

找PDF 维库一下 pdf.dzsc.com

RATINGS AND CHARACTERISTIC CURVES

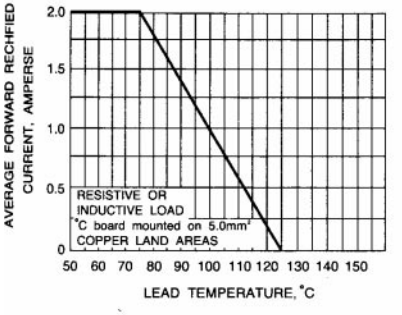


Fig. 1 – FORWARD CURRENT DERATING CURVE

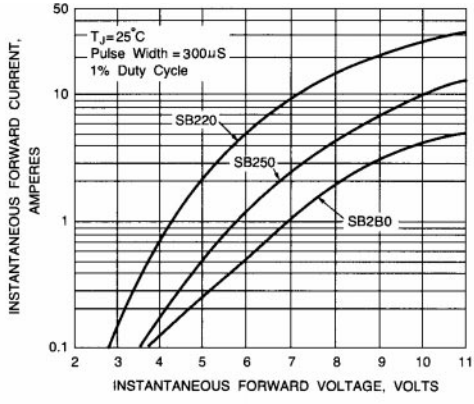


Fig. 2 – TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS

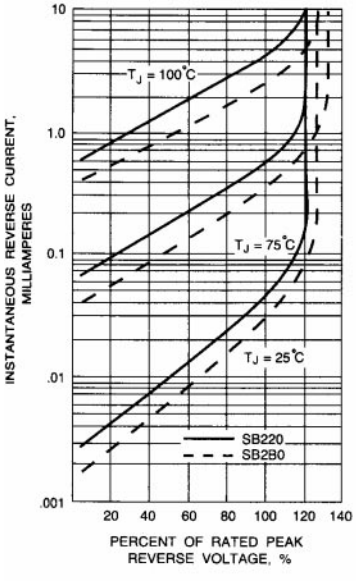


Fig. 3 – TYPICAL REVERSE CHARACTERISTICS

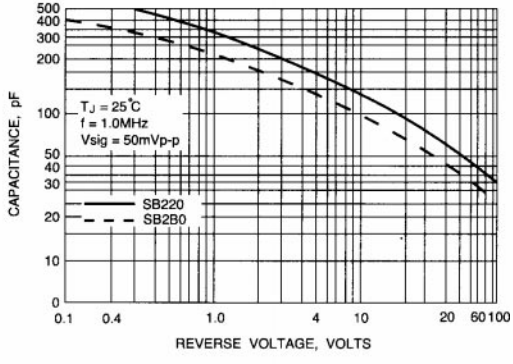


Fig. 4 – TYPICAL JUNCTION CAPACITANCE

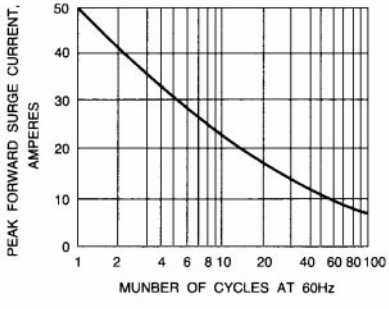


Fig. 5 – MAXIMUM NON-REPETITIVE PEAK FORWARD SURGE CURRENT