

# **SB220S - SB2B0S**

### PRV : 20 - 100 Volts Io : 2.0 Amperes

#### **FEATURES** :

- \* High current capability
- \* High surge current capability
- \* High reliability
- \* High efficiency
- \* Low power loss
- \* Low cost
- \* Low forward voltage drop
- \* Pb / RoHS Free

#### **MECHANICAL DATA:**

- \* Case : DO-41 Molded plastic
- \* Epoxy : UL94V-O rate flame retardant
- \* Lead : Axial lead solderable per MIL-STD-202, Method 208 guaranteed
- \* Polarity : Color band denotes cathode end
- \* Mounting position : Any
- \* Weight : 0.312 gram

### MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating at 25 °C ambient temperature unless otherwise specified. Single phase, half wave, 60 Hz, resistive or inductive load. For capacitive load, derate current by 20%.

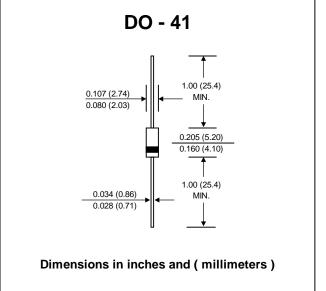
RATING	SYMBOL	SB 220S	SB 230S	SB 240S	SB 250S	SB 260S	SB 270S	SB 280S	SB 290S	SB 2B0S	UNIT
Maximum Recurrent Peak Reverse Voltage	Vrrm	20	30	40	50	60	70	80	90	100	V
Maximum RMS Voltage	Vrms	14	21	28	35	42	49	56	63	70	V
Maximum DC Blocking Voltage	Vdc	20	30	40	50	60	70	80	90	100	V
Maximum Average Forward Current										А	
0.375", 9.5mm Lead Length See Fig.1	IF(AV)	IF(AV) 2.0								A	
Maximum Peak Forward Surge Current,											
8.3ms single half sine wave superimposed	IFSM	60								А	
on rated load (JEDEC Method)											
Maximum Forward Voltage at IF = 2.0 A (Note 1)	VF	0.5 0.74 0.79					V				
Maximum Reverse Current at	IR		0.5								
Rated DC Blocking Voltage (Note 1)	lr 0.5								mA		
Junction Temperature Range	TJ	- 65 to + 125 - 65 to + 150						°C			
Storage Temperature Range	Tstg	- 65 to + 150								°C	

#### Notes :

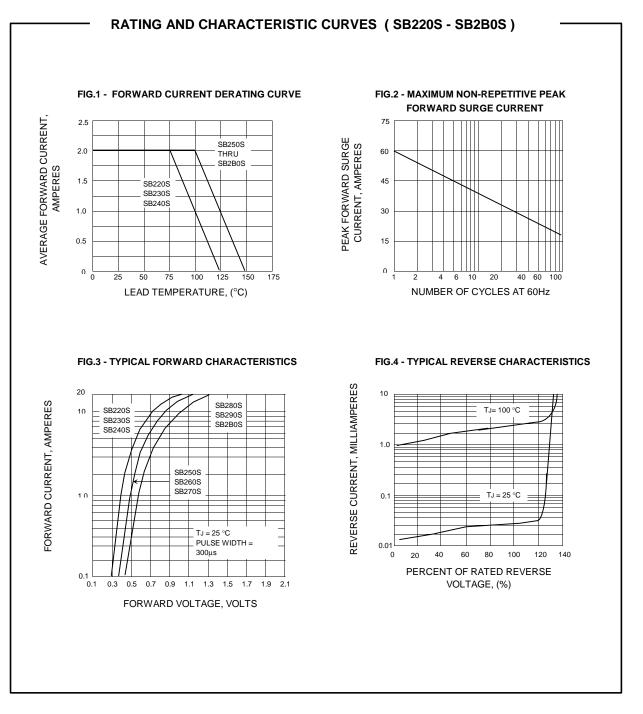
(1) Pulse Test : Pulse Width = 300 µs, Duty Cycle = 2%.

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## SCHOTTKY BARRIER RECTIFIER DIODES







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