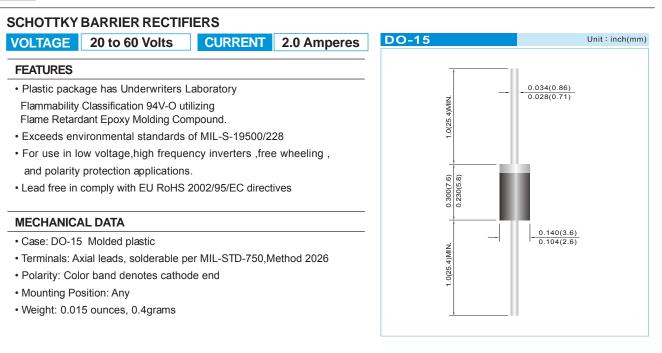


# SB220 SERIES



#### MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

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

PARAMETER		SB220	SB230	SB240	SB250	SB260	UNITS
Maximum Recurrent Peak Reverse Voltage		20	30	40	50	60	V
Maximum RMS Voltage		14	21	28	35	42	V
Maximum DC Blocking Voltage	V <sub>DC</sub>	20	30	40	50	60	v
Maximum Average Forward Rectified Current .375"(9.5mm) lead length (See Figure 1)	I <sub>F(AV)</sub>	2.0					A
Peak Forward Surge Current : 8.3ms single half sine- wave superimposed on rated load (JEDEC method)	I <sub>fsm</sub>	50					А
Maximum Forward Voltage at 2.0A	V <sub>F</sub>	0.50		0.70		V	
Maximum DC Reverse Current at T <sub>s</sub> =25°C Rated DC Blocking Voltage T <sub>s</sub> =100°C	I <sub>R</sub>	0.2 20		0.1 20		mA	
Typical Thermal Resistance (Note 2)	$R_{_{ ext{ hetaJA}}}$	35				°C / W	
Operating Junction and Storag Temperature Range	T <sub>J</sub> ,T <sub>STG</sub>	-55 to +125 -55 to +150			°C		

NOTES:

1.Pulse Test :300µsec pulse with, 1% Duty Cycle.

2. Thermal resistance junction to lead P.C. B mounted 0.375" (9.5mm) lead length.

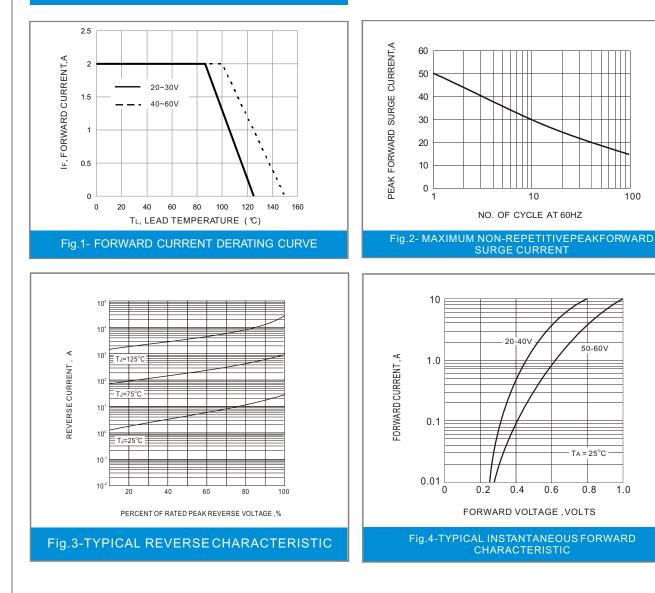


100

1.0

## **SB220 SERIES**

#### **RATING AND CHARACTERISTIC CURVES**







### SB220 SERIES

### Part No\_packing code\_Version

SB220_AY_00001
SB220_AY_10001
SB220_B0_00001
SB220_B0_10001
SB220_R2_00001
SB220_R2_10001

### For example :

#### RB500V-40\_R2\_00001



Packing Code XX			Version Code XXXXX			
Packing type	1 <sup>st</sup> Code	Packing size code	2 <sup>nd</sup> Code	HF or RoHS	1 <sup>st</sup> Code	2 <sup>nd</sup> ~5 <sup>th</sup> Code
Tape and Ammunition Box (T/B)	A	N/A	0	HF	0	serial number
Tape and Reel (T/R)	R	7"	1	RoHS	1	serial number
Bulk Packing (B/P)	В	13"	2			
Tube Packing (T/P)	Т	26mm	X			
Tape and Reel (Right Oriented) (TRR)	S	52mm	Y			
Tape and Reel (Left Oriented) (TRL)	L	PANASERT T/B CATHODE UP (PBCU)	U			
FORMING	F	PANASERT T/B CATHODE DOWN (PBCD)	D			



## SB220 SERIES

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