

SB120~SB160

VOLTAGE	20 to 60 Volt	CURRENT	1.0 Ampere	DO-41		Unit : inch(mn
FEATURES						
 Plastic pack 	age has Underwriters L	aboratory				
Flammability Classification 94V-O utilizing Flame Retardant Epoxy Molding Compound.						0.034(0.86) 0.028(0.71)
For use in lo	ow voltage,high freque	ncy inverters ,free	wheeling ,		0(25.4)MIN	
and polarity protection applications .					.0(25	
 Lead free in 	compliance with EU Ro	HS 2.0			~	
MECHANIC	ALDATA				0.205(5.2)	ii ii
Case: DO-41	1 Molded plastic				0.205	
 Terminals: A 	xial leads, solderable pe	er MIL-STD-750,M	ethod 2026			
Polarity: Co	olor band denotes catho	de				0.107(2.7)
• Weight: 0.01	118 ounces, 0.336 gram	S			.0(25.4)MIN	0.080(2.0)
					. 0(2	

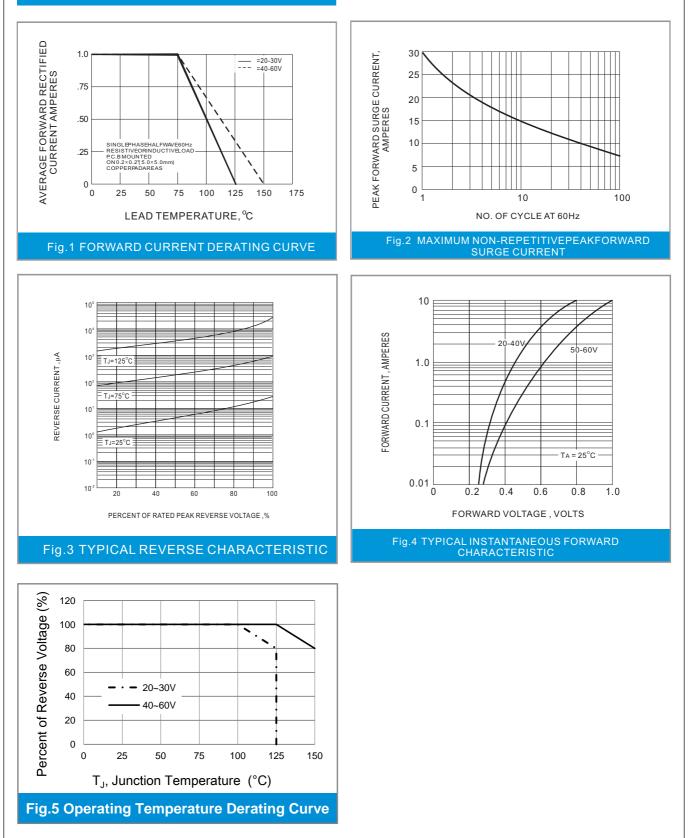
MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

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

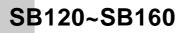
PARAMETER	SYMBOL	SB120	SB130	SB140	SB150	SB160	UNITS
Maximum Recurrent Peak Reverse Voltage		20	30	40	50	60	V
Maximum RMS Voltage		14	21	28	35	42	V
Maximum DC Blocking Voltage		20	30	40	50	60	V
Maximum Average Forward Rectified Current 0.375"(9.5mm) lead length (See Figure1)	I _{F(AV)}	1.0					A
Peak Forward Surge Current : 8.3ms single half sine-wave superimposed on rated load		30					A
Maximum Forward Voltage at 1.0A		0.5			0.7		V
Maximum DC Reverse Current at Rated DC Blocking Voltage $\begin{array}{c} T_{j}{=}25^{\circ}C\\ T_{j}{=}100^{\circ}C \end{array}$		0.2 10		0.1 10		mA	
Typical Thermal Resistance		50					°C / W
Operating Junction and Storage Temperature Range	T_,T _{stg}	-55 to	+125	-55 to +150			°C

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RATING AND CHARACTERISTIC CURVES







Part No_packing code_Version

SB120_AY_00001 SB120_AY_10001 SB120_B0_00001 SB120_B0_10001 SB120_R2_00001 SB120_R2_10001

For example :

RB500V-40_R2_00001

Part No.

Serial number

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Version code means HF

- Packing size code means 13"
- Packing type means T/R

Packing Code XX					Version Code XXXXX			
Packing type	1 st Code	Packing size code	2 nd Code	HF or RoHS	1 st Code	2 nd ~5 th Code		
Tape and Ammunition Box (T/B)	Α	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					



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