

TO-220AC Unit : inch(mm) 0.419(10.66) 0.196(5.00) 0.163(4.16) Ø0.156(3.95) 0.054(1.39) Ø0.147(3.75) 0.269(6.85) 0.226(5.75) (15.87) (13.93) 0.063(1.6)MAX. 0.146(3.7) 0.130(3.3) 0.624(0.115(2.92) 0.058(1.47) 0.50(12.7)MIN. 0.080(2.03) 0.042(1.07) 0.177(4.5) MAX 0.038(0.96) 0.025(0.65)MAX. 1 3 0.200(5.08) 1-**-|4**−3

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings 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%

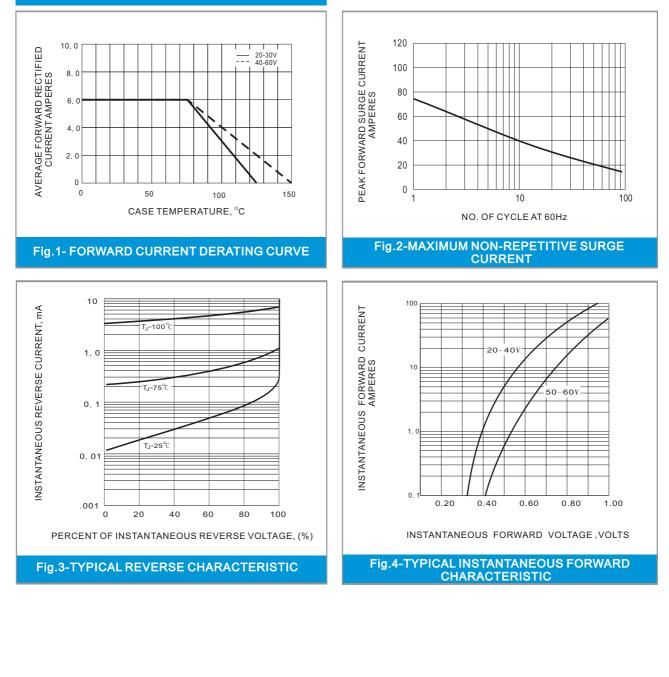
PARAMETER	SYMBOL	SB620	SB630	SB640	SB650	SB660	UNITS
Maximum Recurrent Peak Reverse Voltage	V _{rrm}	20	30	40	50	60	V
Maximum RMS Voltage	V _{rms}	14	21	28	35	42	V
Maximum DC Blocking Voltage	V _{dc}	20	30	40	50	60	V
Maximum Average Forward Current	I _{F(AV)}	6					A
Peak Forward Surge Current : 8.3ms single half sine- wave superimposed on rated load	I _{fsm}	75					А
Maximum Forward Voltage at 6A	V _F	0.55 0.7				V	
Maximum DC Reverse Current at Rated DC $T_j=25^{\circ}C$ Blocking Voltage $T_j=100^{\circ}C$	I _R	0.2 15					mA
Typical Thermal Resistance	$R_{_{ ext{ extbf{ heta}JC}}}$	3					°C / W
Operating Junction Temperature Range	ТJ	-55 to +125 -55 to +150				°C	
Storage Temperature Range	Тѕтс	-55 to +150					°C

NOTE : Both Bonding and Chip structure are available.

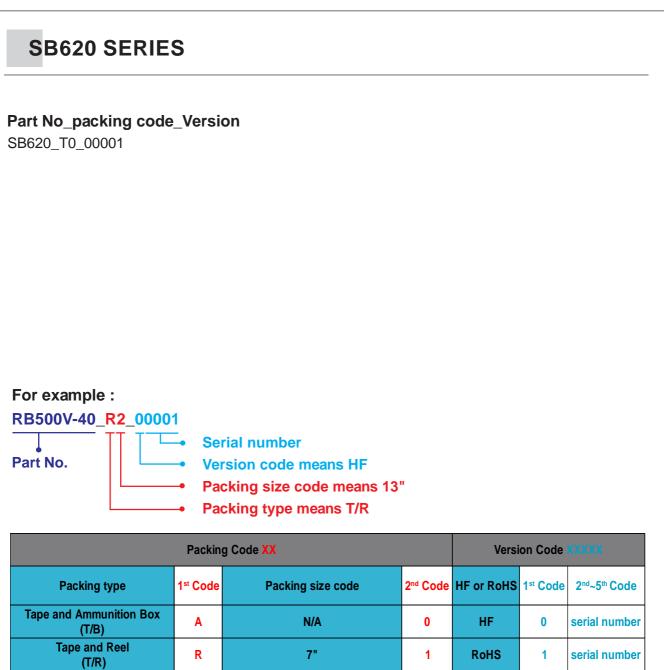


SB620 SERIES

RATING AND CHARACTERISTIC CURVES







13"

26mm

52mm

PANASERT T/B CATHODE UP

(PBCU) PANASERT T/B CATHODE DOWN

(PBCD)

2

Х

Y

U

D

Bulk Packing

(B/P) Tube Packing

(T/P) Tape and Reel (Right Oriented)

(TRR) Tape and Reel (Left Oriented)

(TRL)

FORMING

В

Т

S

L

F





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