



Universal 3-way terminals snap-on wire wrap-around, or PCB mounting

Glass passivated chip junction

High surge current capability

Low thermal resistance

Solder dip 275 °C max. 7 s, per JESD 22-B106

General purpose use in AC/DC bridge full wave rectification for power supply, home appliances, office equipment, industrial automation applications.

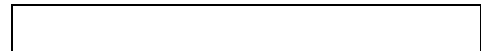
: S50VB DT

Molding compound meets UL 94 V-0 flammability rating

: Tin plated leads, solderable per J-STD-002 and JESD22-B102

($T_a=25$ Unless otherwise specified)

Device marking code			S50VB80 DT	S50VB100 DT	S50VB120 DT	S50VB160 DT
Maximum Repetitive Peak Reverse Voltage	VRRM	V	800	1000	1200	1600
Maximum RMS Voltage	VRMS	V	560	700	840	1120
Maximum DC blocking Voltage	VDC	V	800	1000	1200	1600
Average rectified output current @60Hz sine wave, R-load, $T_c=80$	IO	A	50			
Forward Surge Current (Non-repetitive) @8.3ms, Half-sine wave, 1 cycle, $T_j=25$	IFSM	A	500			
Forward Surge Current (Non-repetitive) @1ms, square wave, 1 cycle, $T_j=25$			1000			
Current squared time @1ms t 8.3ms $T_j=25$, Rating of per diode	I^2t	A ² S	1038			
Storage temperature	Tstg		-55 ~ +150			
Junction temperature	Tj		-55 ~ +150			





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