



Features

- ◆ The plastic package carries Underwriters Laboratory Flammability Classification 94V-0
- ◆ For surface mounted applications
- ◆ Ultra fast switching for high efficiency
- ◆ Low reverse leakage
- ◆ Built-in strain relief,ideal for automated placement
- ◆ High forward surge current capability
- ◆ High temperature soldering guaranteed
250 °C/10 seconds at terminals



SMA



Package Marking and Ordering Information

Product ID	Pack	Marking	Qty(PCS)
B320A-B3100A	SMA	B3*	2000

*:From 20A-100A

Maxmim Ratings (Ta=25 unless otherwise noted)

Single phase half-wave 60Hz, resistive or inductive load,for capacitive load current derate by 20%.

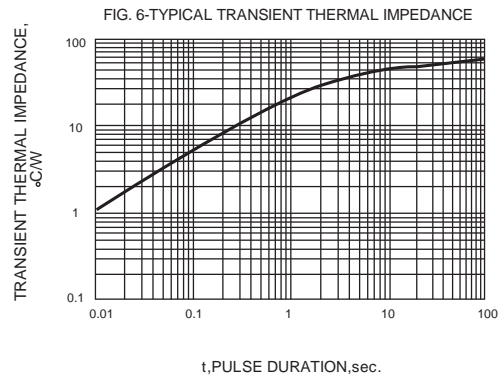
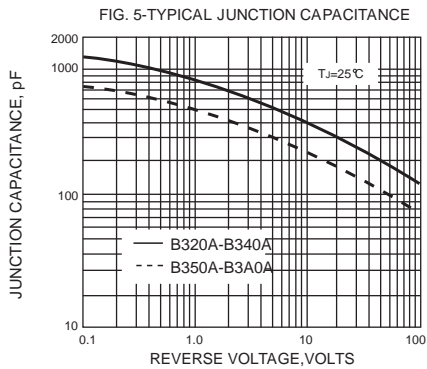
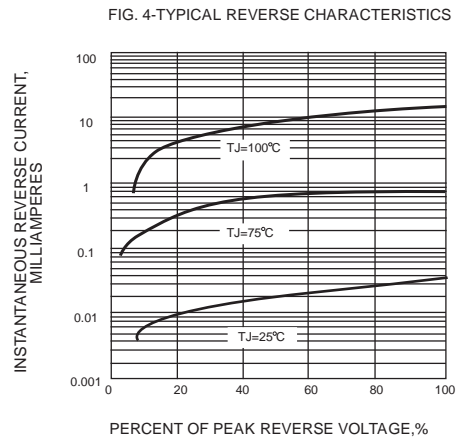
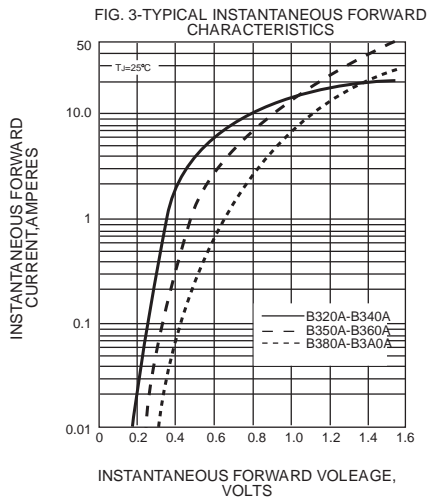
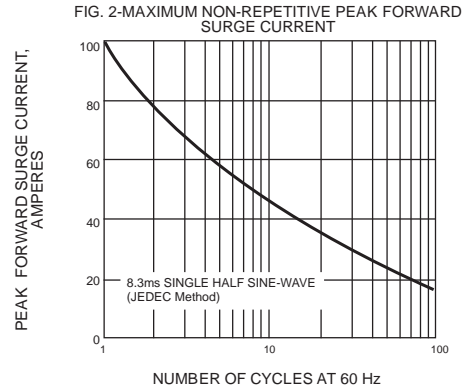
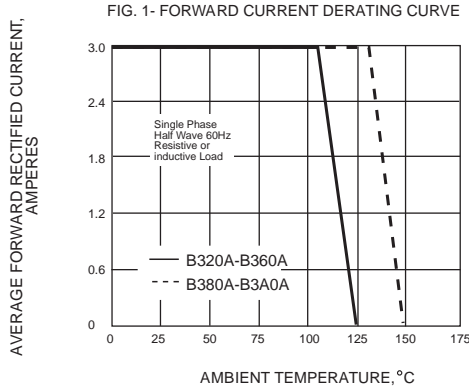
Parameter	SYMBOLS	B320A	B330A	B340A	B350A	B360A	B380A	B3100A	UNITS
Marking Code									
Maximum repetitive peak reverse voltage	V_{RRM}	20	30	40	50	60	80	100	V
Maximum RMS voltage	V_{RMS}	14	21	28	35	42	56	70	V
Maximum DC blocking voltage	V_{DC}	20	30	40	50	60	80	100	V
Maximum average forward rectified current at $T_L=55^{\circ}C$	$I_{(AV)}$	3.0							A
Peak forward surge current 8.3ms single half sine-wave superimposed on rated load (JEDEC Method)	I_{FSM}	100							A
Maximum instantaneous forward voltage at 3.0A	V_F	0.55		0.70		0.85		V	
Maximum DC reverse current at rated DC blocking voltage	I_R	0.5							mA
$T_A=25^{\circ}C$ $T_A=100^{\circ}C$		20				10			
Typical junction capacitance (NOTE 1)	C_J	500			300			pF	
Typical thermal resistance (NOTE 2)	$R_{\theta JA}$	55.0							$^{\circ}C/W$
Operating junction and storage temperature range	T_J, T_{STG}	-50 to +150							$^{\circ}C$

Notes:

Thermal resistance from junction to ambient and from junction to lead mounted on P.C.B. with 0.2" x 0.2" (5.0 mm x 5.0 mm) copper pad areas

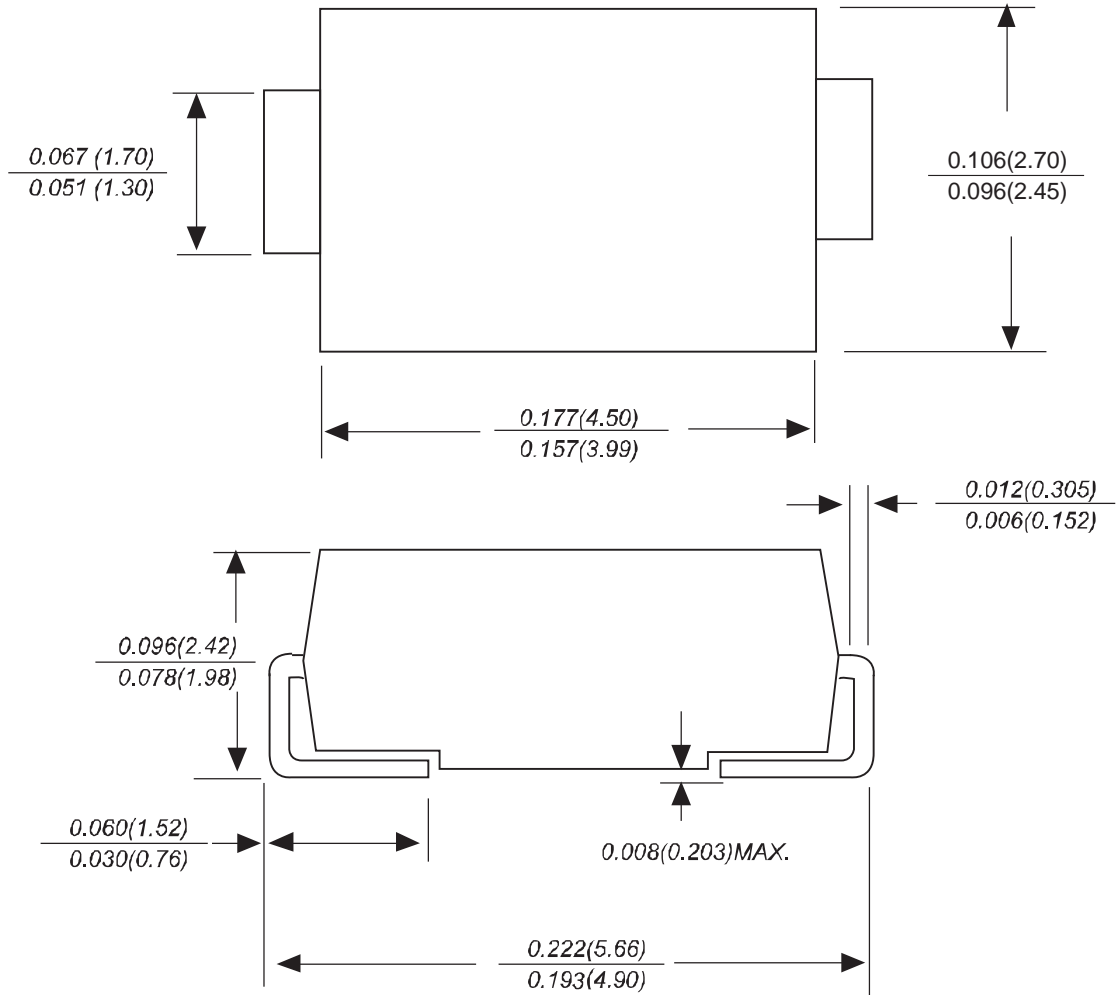


Typical Characteristics





SMA Package Outline Dimensions



Dimensions in inches and (millimeters)



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