



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
(DO-214AC)



Package Marking and Ordering Information

Product ID	Pack	Marking	Qty(PCS)
B320A-B3100A	SMA (DO-214AC)	B3xA	2000

x: From 20-100

Maximum Ratings (Ta=25 unless otherwise noted)

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

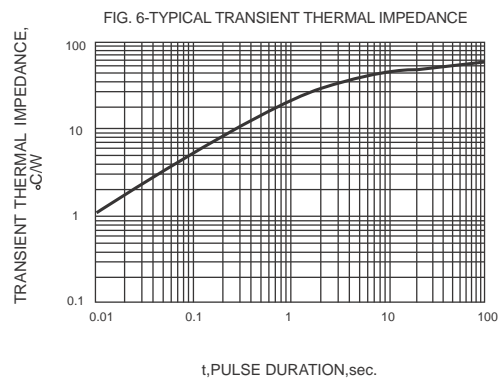
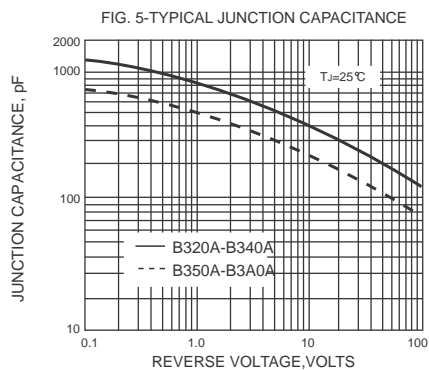
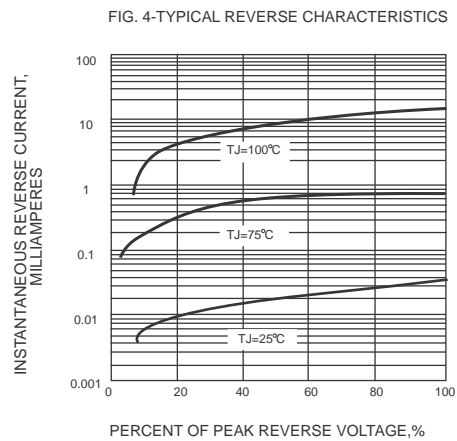
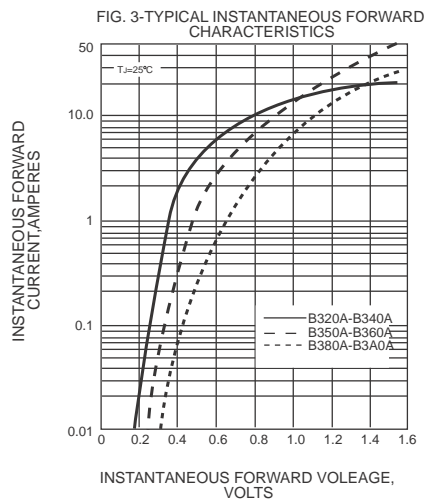
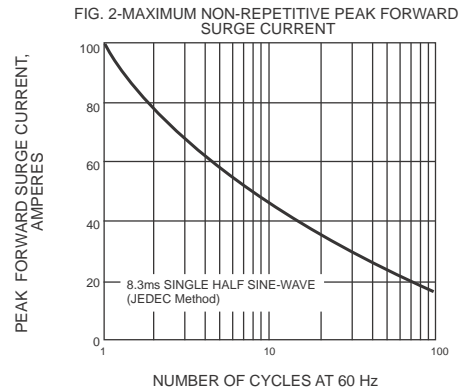
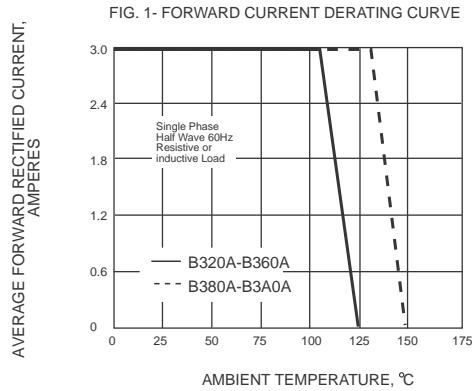
Parameter	Symbols	B320A	B330A	B340A	B350A	B360A	B380A	B3100A	Units
Marking Code									
Maximum repetitive peak reverse voltage	V _{RRM}	20	30	40	50	60	80	100	V
Maximum RMS voltage	V _{RMS}	14	21	28	35	42	56	70	V
Maximum DC blocking voltage	V _{DC}	20	30	40	50	60	80	100	V
Maximum average forward rectified current at TL=55℃	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
		20					10		
Typical junction capacitance (NOTE 1)	C _J	500			300				pF
Typical thermal resistance (NOTE 2)	R _{θJA}	55.0							℃/W
Operating junction and storage temperature range	T _J , T _{STG}	-50 to +150							℃

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



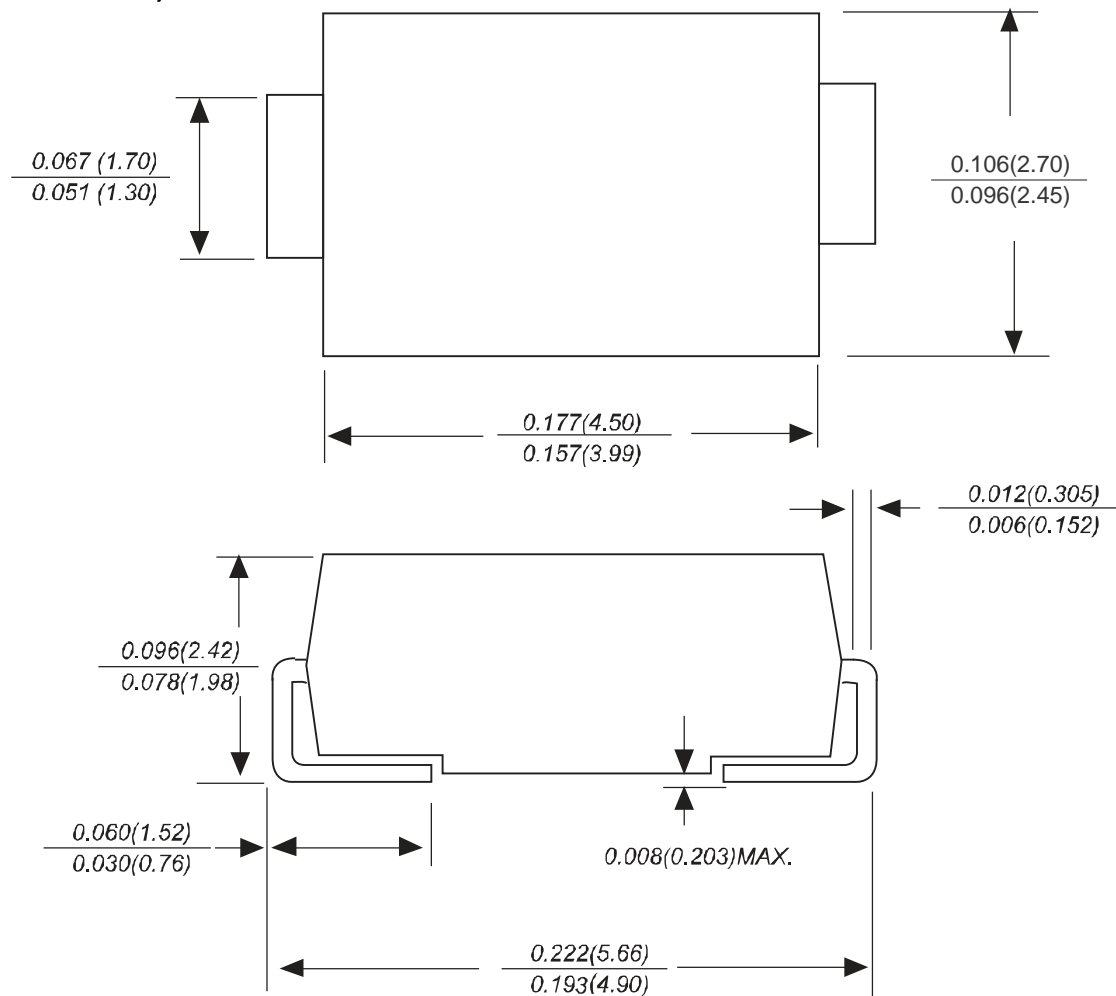
Typical Characteristics





Package Outline Dimensions

SMA(DO-214AC)



Dimensions in inches and (millimeters)



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