



### 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

### Maxmim Ratings (Ta=25 unless otherwise noted)

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

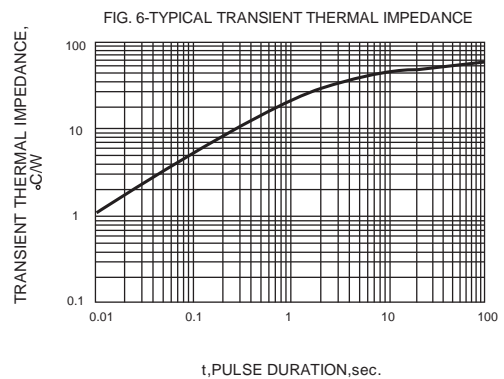
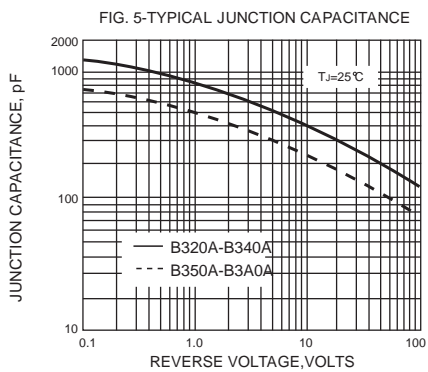
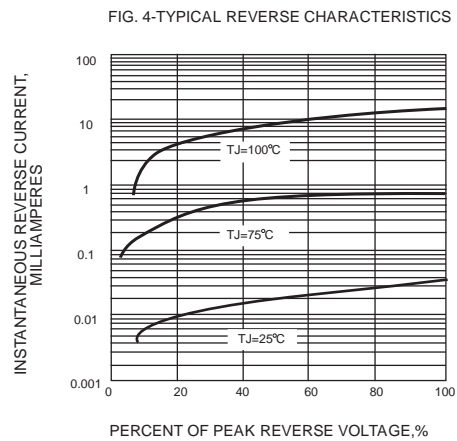
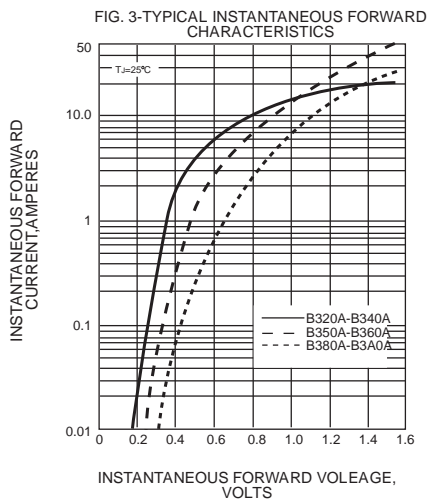
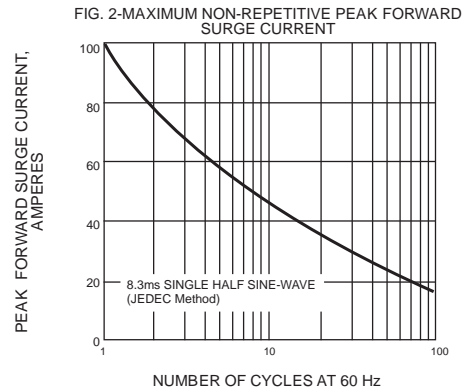
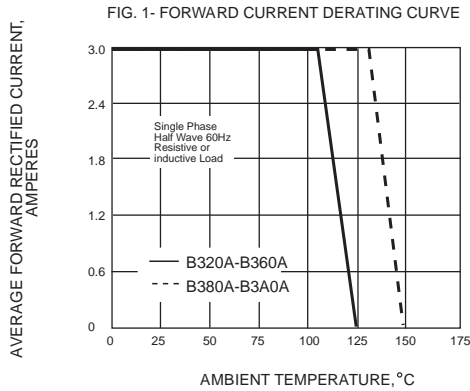
Parameter	Symbols	B320A	B330A	B340A	B350A	B360A	B380A	B3100A	Units
Marking Code									
Maximum repetitive peak reverse voltage	$V_{RRM}$	20	30	40	50	60	80	100	V
Maximum RMS voltage	$V_{RMS}$	14	21	28	35	42	56	70	V
Maximum DC blocking voltage	$V_{DC}$	20	30	40	50	60	80	100	V
Maximum average forward 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
		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

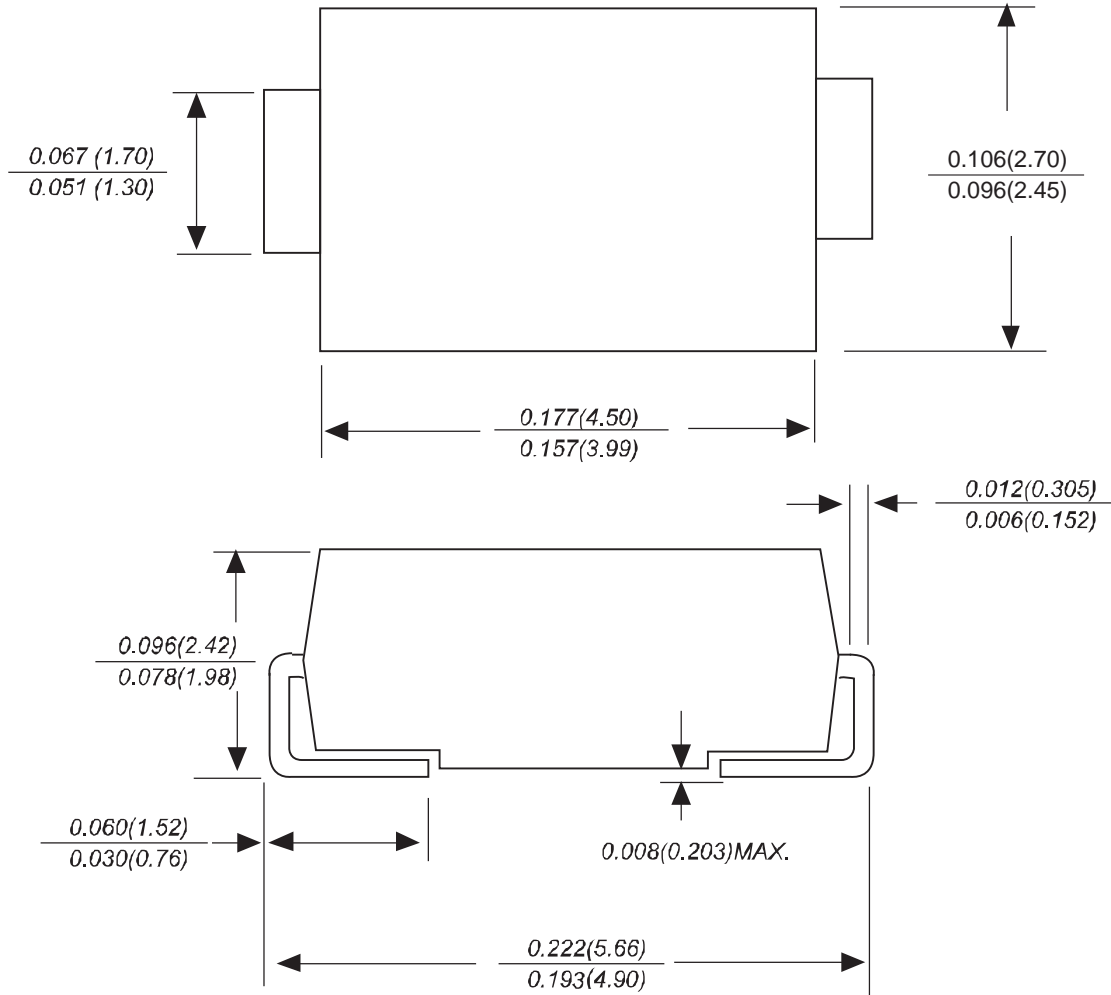


### Typical Characteristics





**Package Outline Dimensions**  
**SMA(DO-214AC)**



*Dimensions in inches and (millimeters)*



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