



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



Package Marking and Ordering Information

Product ID	Pack	Marking	Qty(PCS)
B220A-13-F -B2100A-13-F	SMA (DO-214AC)	BA2xA	2000

x: From 20-100

Maximum Ratings (Ta=25°C unless otherwise noted)

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

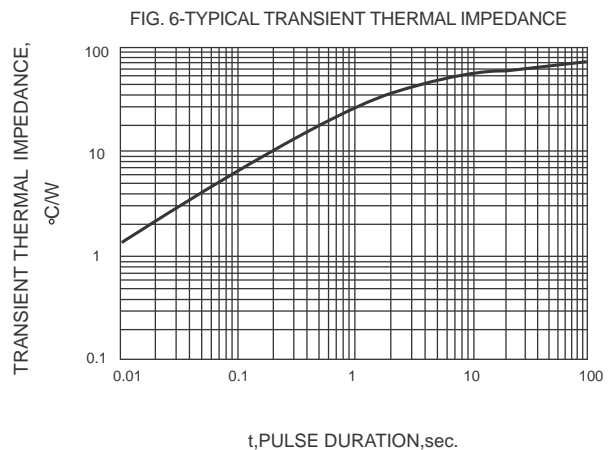
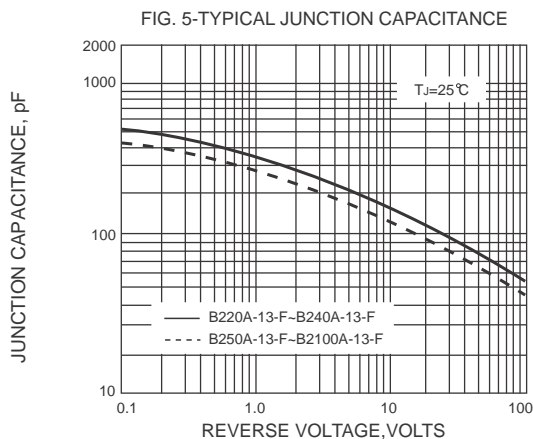
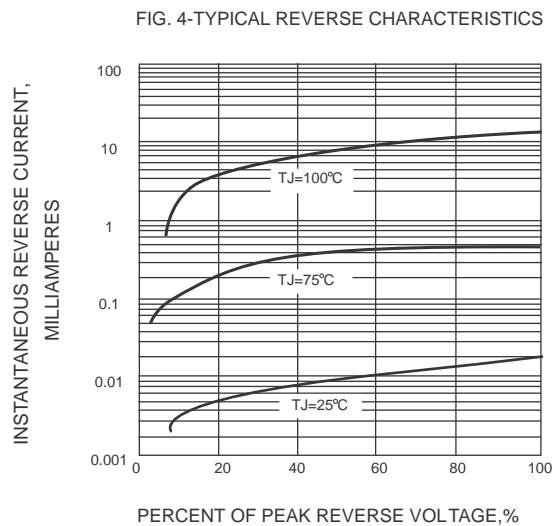
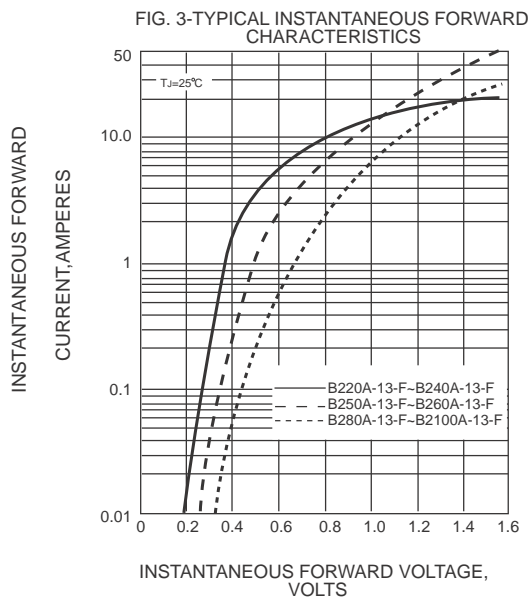
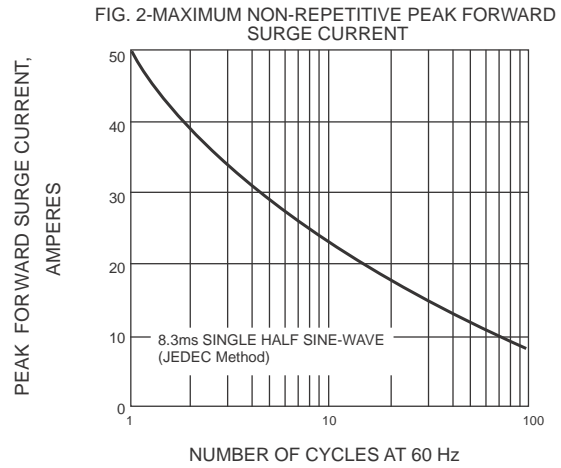
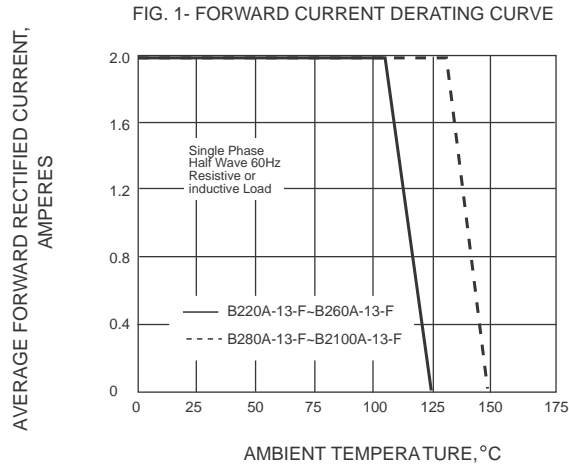
Parameter	Symbols	B220A-13-F	B230A-13-F	B240A-13-F	B250A-13-F	B260A-13-F	B280A-13-F	B2100A-13-F	Units
Marking Code									
Maximum repetitive peak reverse voltage	V _{RRM}	20	30	40	50	60	80	100	V
Maximum RMS voltage	V _{RMS}	14	21	28	35	42	56	70	V
Maximum DC blocking voltage	V _{DC}	20	30	40	50	60	80	100	V
Maximum average forward rectified current at TL=55 °C	I _(AV)	2.0							A
Peak forward surge current 8.3ms single half sine-wave superimposed on rated load (JEDEC Method)	I _{FSM}	50.0							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 T _A =25°C T _A =100°C	I _R	0.5						uA	
		10				5.0			
Typical junction capacitance (NOTE 1)	C _J	220			180				ns pF
Typical thermal resistance (NOTE 2)	R _{θJA}	75.0							°C/W
Operating junction and storage temperature range	T _J ,T _{STG}	-50 to +150							°C

Note: 1. Measured at 1MHz and applied reverse voltage of 4.0V D.C.

2. P.C.B. mounted with 0.2x0.2" (5.0x5.0mm) copper pad areas



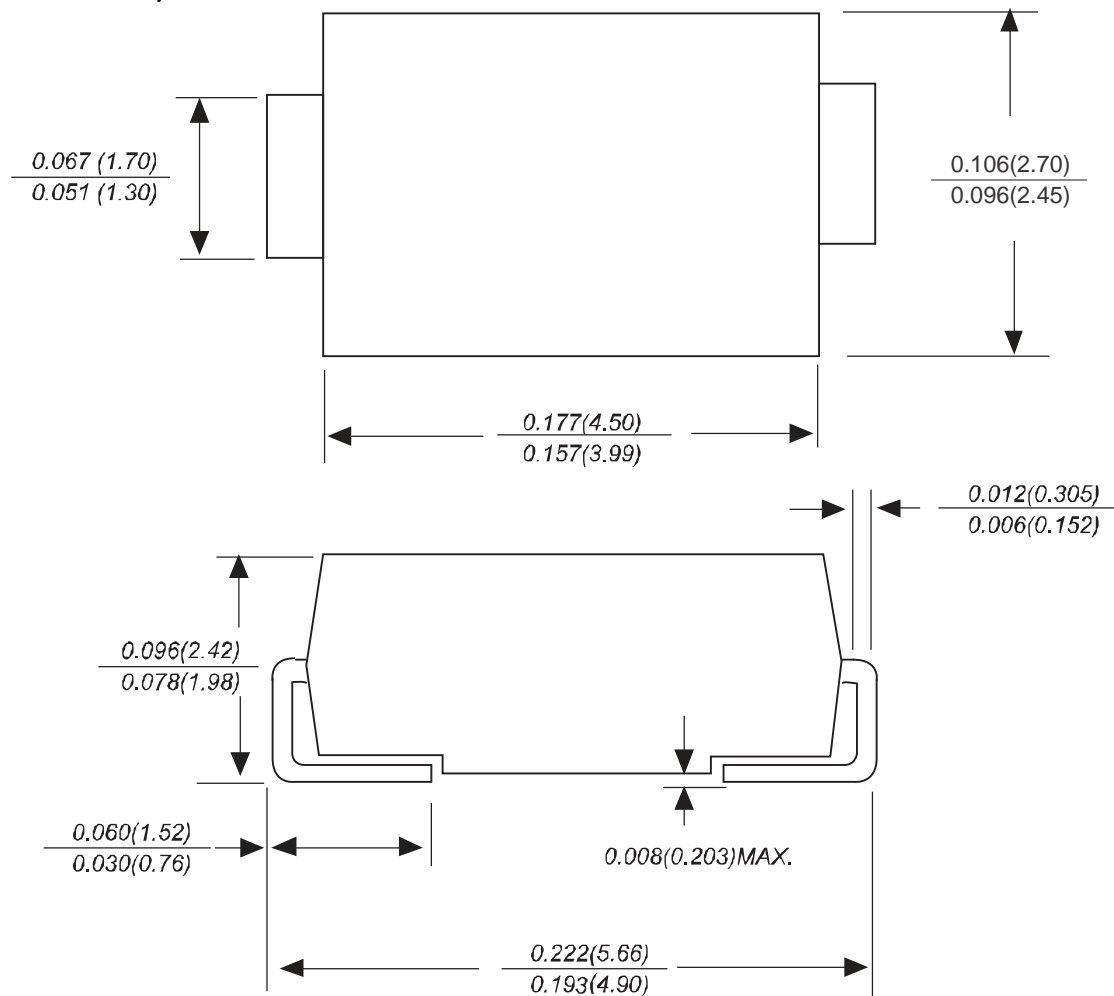
Typical Characteristics





Package Outline Dimensions

SMA(DO-214AC)



Dimensions in inches and (millimeters)



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