

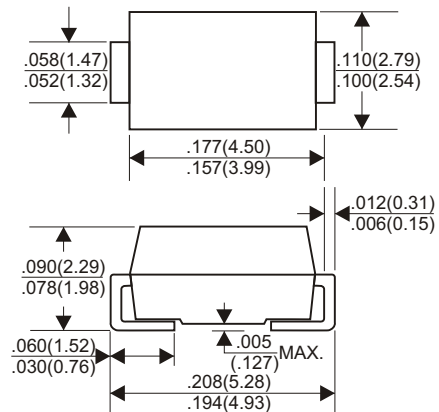
### FEATURES

- \* Ideal for surface mount applications
- \* Easy pick and place
- \* Built-in strain relief
- \* Low forward voltage drop

### MECHANICAL DATA

- \* Case: Molded plastic
- \* Epoxy: UL 94V-0 rate flame retardant
- \* Metallurgically bonded construction
- \* Polarity: Color band denotes cathode end
- \* Mounting position: Any
- \* Weight: 0.063 grams

### DO-214AC(SMA)



Dimensions in inches and (millimeters)

## MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

@Ta= +25°C, unless otherwise specified

TYPE NUMBER	B320A	B330A	B340A	B350A	B360A	UNITS
Maximum Recurrent Peak Reverse Voltage	20	30	40	50	60	V
Maximum RWS Voltag						
Maximum DC Blocking Voltage						
Maximum Average Forward Rectified Current						A
At T <sub>L</sub> =100°C	3.0					
Peak Forward Surge Current, 8.3 ms single half sine-wave superimposed on rated load (JEDEC method)	100					A
Maximum Instantaneous Forward Voltage at 3.0A	0.5 0.48(typ)		0.70 0.61(typ)			V
Maximum DC Reverse Current	0.2 (typ 0.012)					mA
at Rated DC Blocking Voltage	10					mA
Typical Junction Capacitance (Note1)	180					pF
Typical Thermal Resistance, Junction to Terminal (Note 2 ) R <sub>θJT</sub>	25					°C/W
Typical Thermal Resistance, Junction to Ambient (Note 2) R <sub>θJA</sub>	140					°C/W
Operating Temperature Range T <sub>J</sub>	-65 — +150					°C
Storage Temperature Range T <sub>STG</sub>	-65 — +150					°C

#### NOTES:

1. Measured at 1MHz and applied reverse voltage of 4.0V D.C.
2. Device mounted on FR-4 substrate, 1"\*1", 2oz, single-sided, PC boards with 0.56"\*0.73" copper pad.

## RATING AND CHARACTERISTIC CURVES (B320A THRU B360A)

FIG.1-TYPICAL FORWARD CURRENT DERATING CURVE

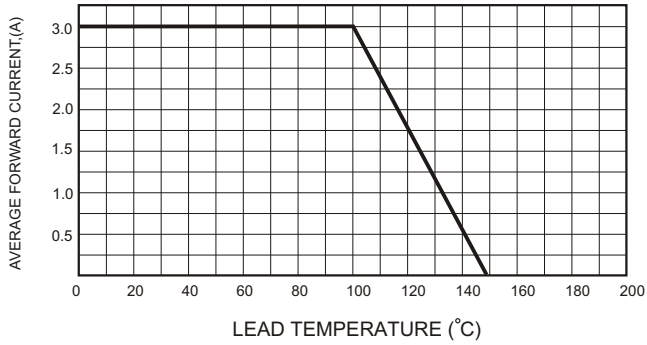


FIG.2-MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

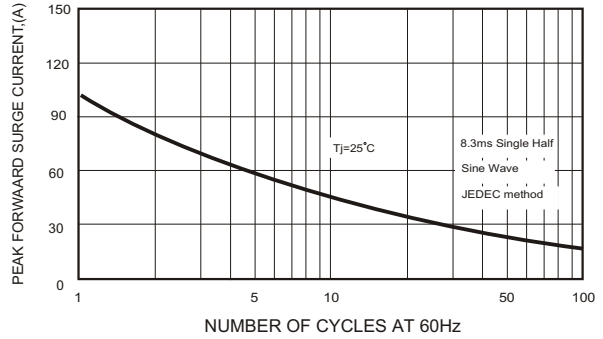


FIG.3-TYPICAL FORWARD CHARACTERISTICS

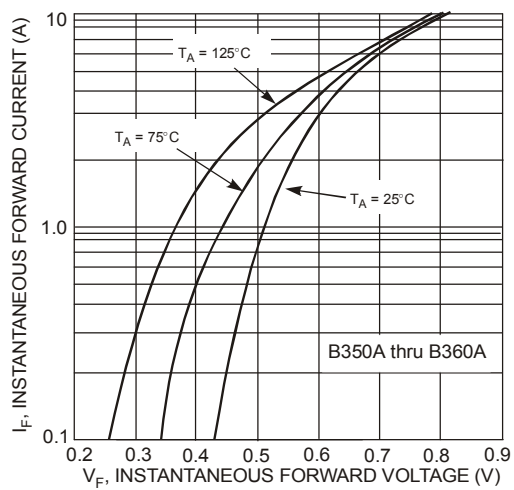
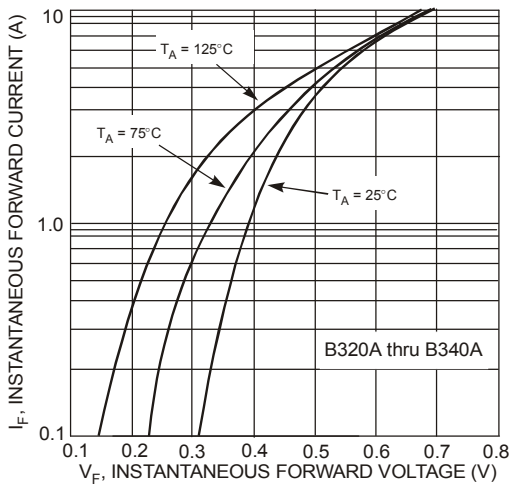


FIG.4-TYPICAL JUNCTION CAPACITANCE

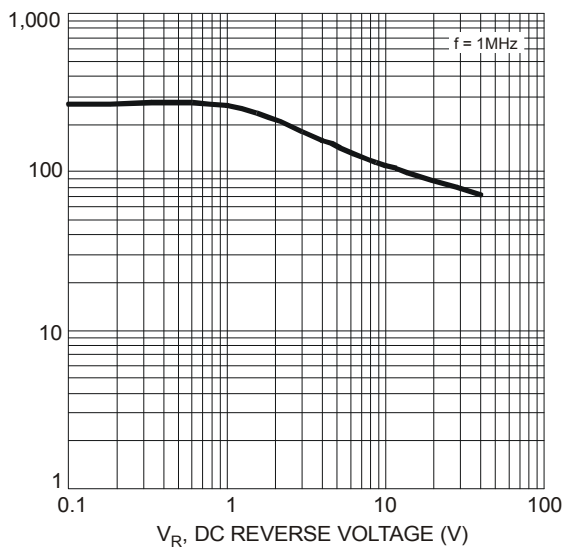
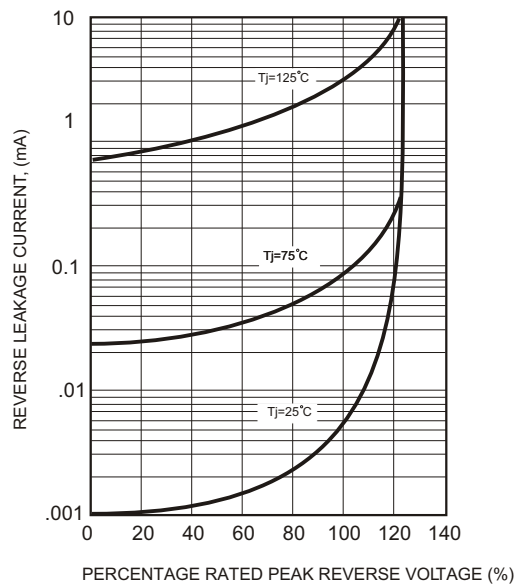


FIG.5 - TYPICAL REVERSE CHARACTERISTICS



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