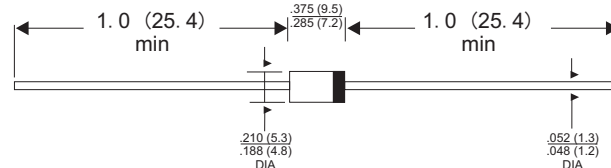


FEATURES

- Low Forward Voltage Drop
- High Current Capability
- High Reliability
- Low Power Loss, High Efficiency



MECHANICAL DATA

- Case: Molded Plastic (UL 94V-0 rated)
- Lead: Axial leads, Solderable per MIL-STD-202, Method 208
- Polarity: Color band denotes cathode end
- High temperature soldering 260°C / 10 seconds
- Weight: 1.10 grams

DO-27 / DO-201AD
Dimensions in inches and (millimeters)

MAXIMUM RATINGS & ELECTRICAL CHARACTERISTICS

Rating at 25°C ambient temperature unless otherwise specified.
Single phase, half wave, 60Hz, resistive or inductive load.
For capacitive load, derate current by 20%

Parameter	Symbol	SR320	SR330	SR340	SR350	SR360	SR380	SR3100	Unit
Maximum Repetitive Peak Reverse Voltage	VRRM	20	30	40	50	60	80	100	V
Maximum RMS Voltage	VRMS	14	21	28	35	42	56	70	V
Maximum DC Blocking Voltage	VDC	20	30	40	50	60	80	100	V
Maximum Average Forward Rectified Current @ Ta = 50°C	IF(AV)	3.0							A
Peak Forward Surge Current 60Hz Half-Sine Wave, 1 Cycle @ TA = 25°C	IFSM	80							A
Maximum Instantaneous Forward Voltage @ 3.0A	VF	0.55		0.7		0.85		V	
Maximum DC Reverse Current @ TA = 25°C at rated DC Blocking Voltage @ TA = 125°C	IR1 IR2	0.1 10				µA			
Typical Thermal Resistance Junction to Lead (Note)	RθJA RθJL	40 10				°C / W			
Operating Temperature Range	TJ	-55 to +125							°C
Storage Temperature Range	TSTG	-55 to +150							°C

Note: P.C.B. Mounted 0.5" (12.7mm) Lead Length

■ **RATING & CHARACTERISTIC CURVES**

FIG.1-MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

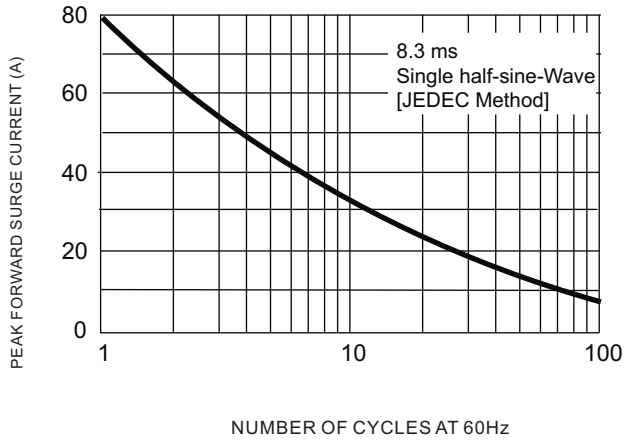


FIG.2-MAXIMUM FORWARD CURRENT DERATING

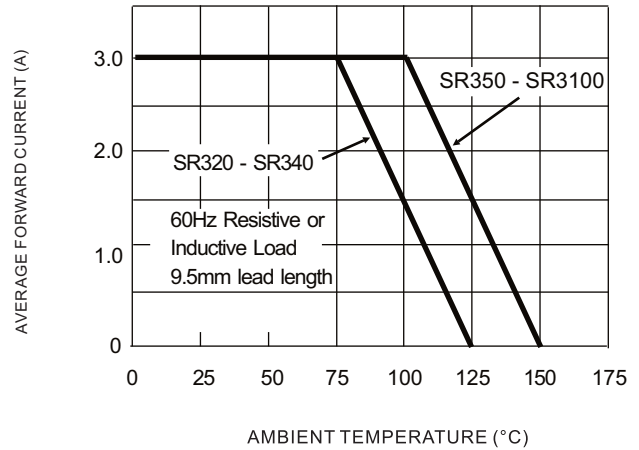


FIG.3-TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS

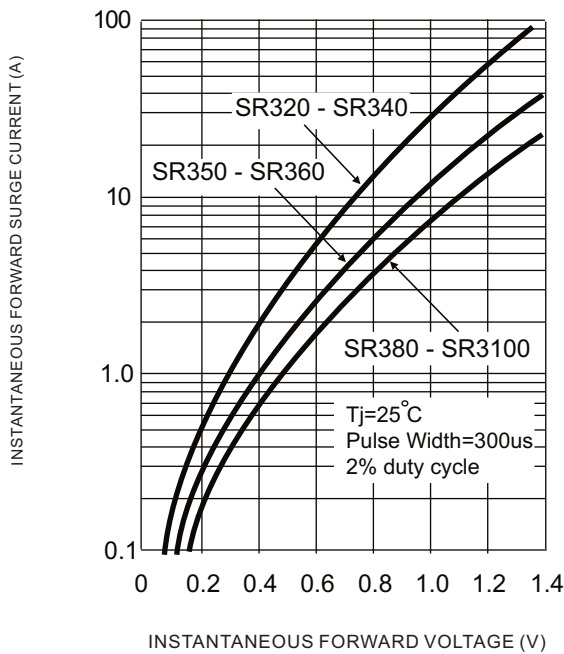


FIG.4-TYPICAL REVERSE CHARACTERISTICS

