

## SR320M THRU SR360M SURFACE MOUNT SCHOTTKY RECTIFIERS

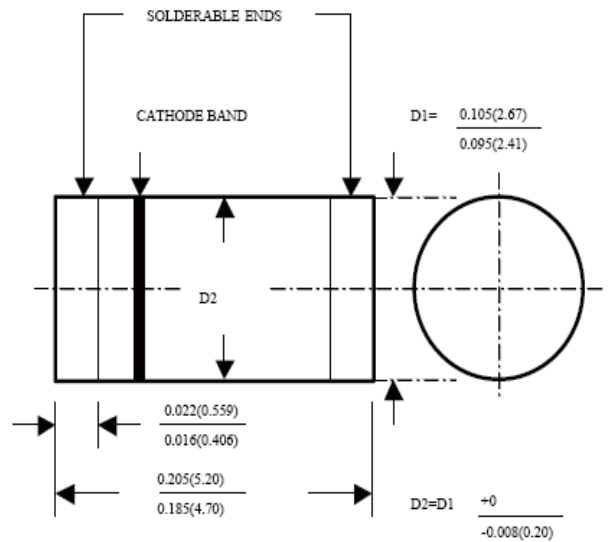
### FEATURES

- Low power loss, high efficient
- High surge current capability.
- Low forward voltage drop
- Guarding for overvoltage protection
- 250°C/10秒. / .375", (9.5mm) lead lengths
- High temperature soldering guaranteed:  
 250°C/10 seconds/.375", (9.5mm) lead lengths

### MECHANICAL DATA

- UL94V-0
- Case: Molded plastic use UL94V-0 recognized flame retardant epoxy
- Terminals: Plated terminals
- Polarity: Color band on body denotes cathode
- Mounting position: Any
- Weight: 0.1296 gram

### DO-213AB / MELF



### MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating at 25°C Ambient temp. Unless otherwise specified.  
 Single phase, half sine wave, 60HZ, resistive or inductive load.  
 For capacitive load, derate current by 20%

	SYMBOL	SR320M	SR330M	SR340M	SR350M	SR360M	UNITS
Maximum Current Peak Reverse Voltage	VRRM	20	30	40	50	60	Volts
Maximum RMS Voltage	VRMS	14	21	28	35	42	Volts
Maximum DC Blocking Voltage	VDC	20	30	40	50	60	Volts
Maximum Average Forward Rectified Current	I(AV)	3.0					Amps
Peak Forward Surge Current Single Sine-wave on Rated Load (JEDEC Method)	IFSM	100					Amps
Maximum Instantaneous Forward Voltage Drop at 3.0A DC	VF	0.5			0.75		Volts
Maximum DC Reverse Current at Rated DC Blocking Voltage $T_A=25\text{ }^\circ\text{C}$ $T_A=100\text{ }^\circ\text{C}$	IR	0.5 20					Ma
Typical Thermal Resistance	RθJA RθJL	55.0 17.0					°C/W
VR= 4.0V, f = 1MHZ Typical Junction Capacitance	CJ	500			250		pF
Operating Junction and Storage Temperature Range	TJ, TSTG	-55 to +125			-55 to +150		°C

FIG. 1 – DERATING CURVE FOR OUTPUT RECTIFIER CURRENT

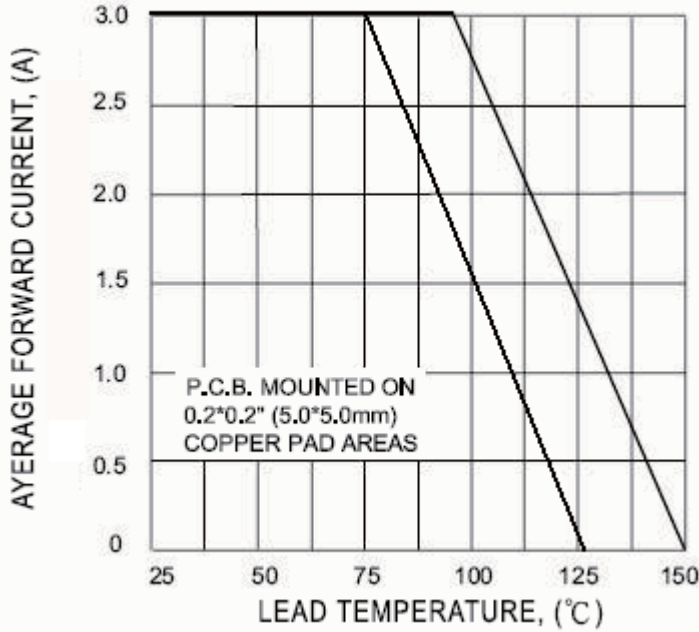


FIG. 2 – MAXIMUM NON – REPETITIVE PEAK FORWARD SURGE CURRENT

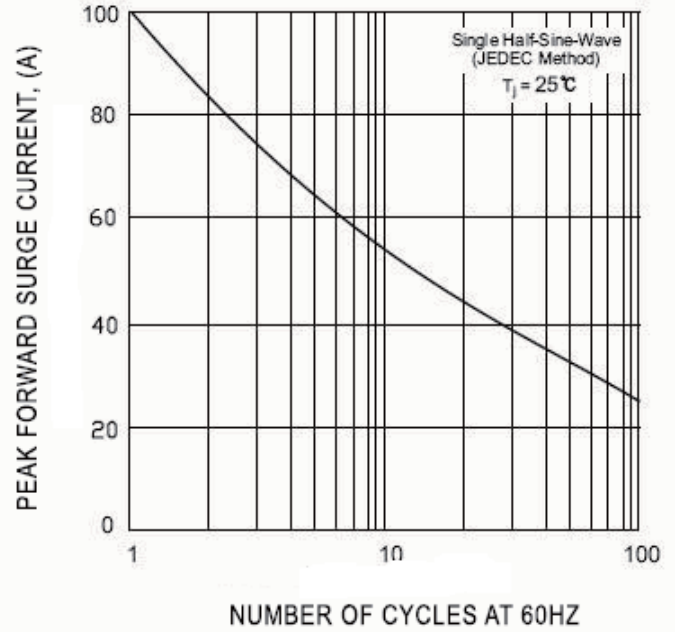


FIG. 3 – TYPICAL REVERSE CHARACTERISTICS

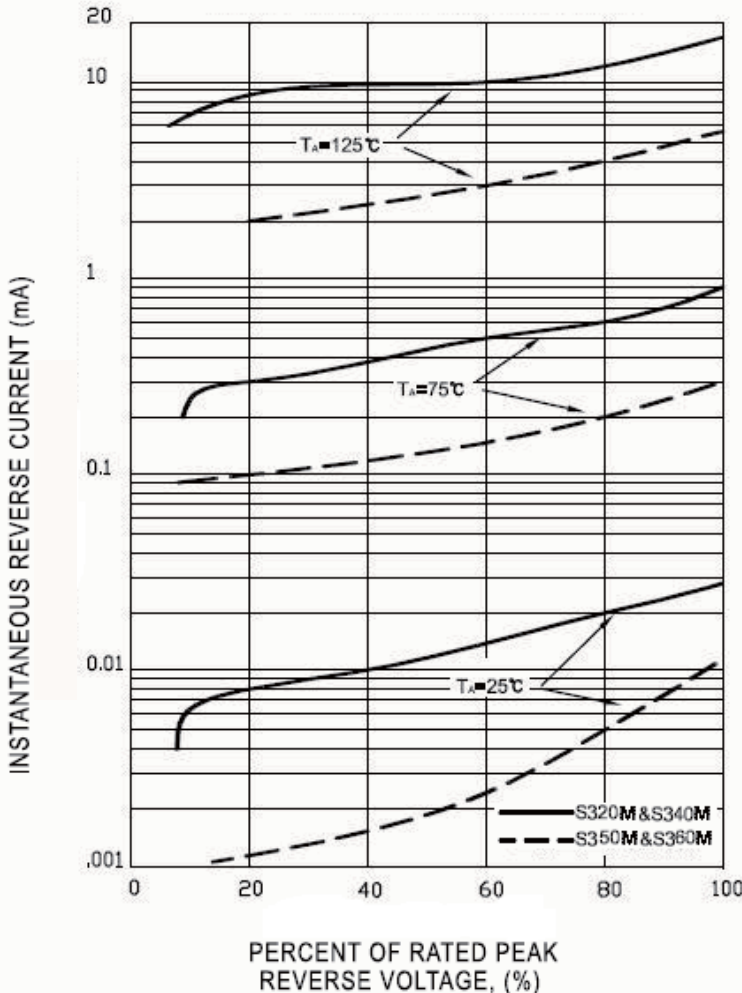


FIG. 4 – TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS

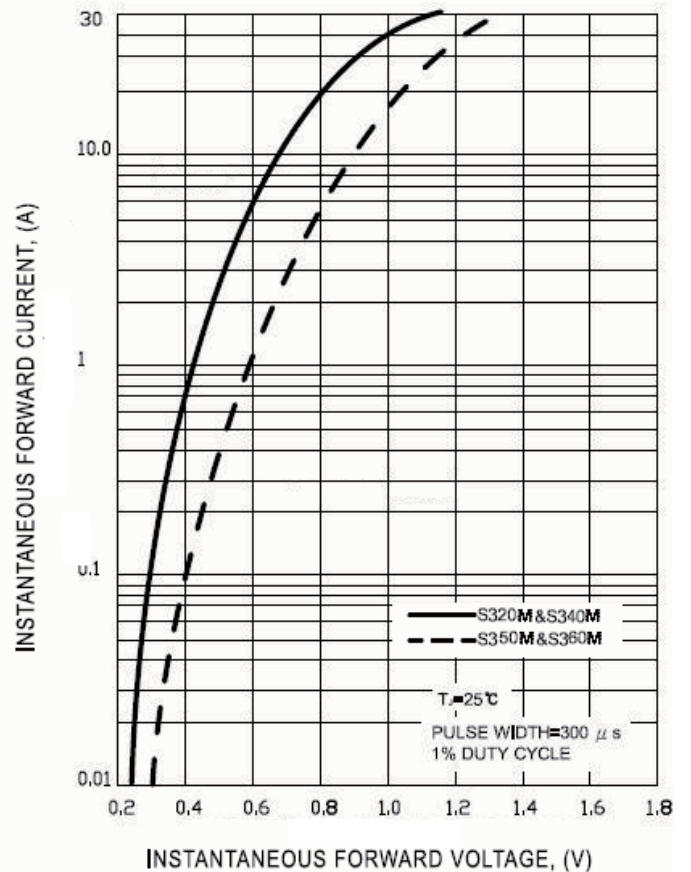


FIG. 5 –TYPICAL JUNCTION CAPACITANCE

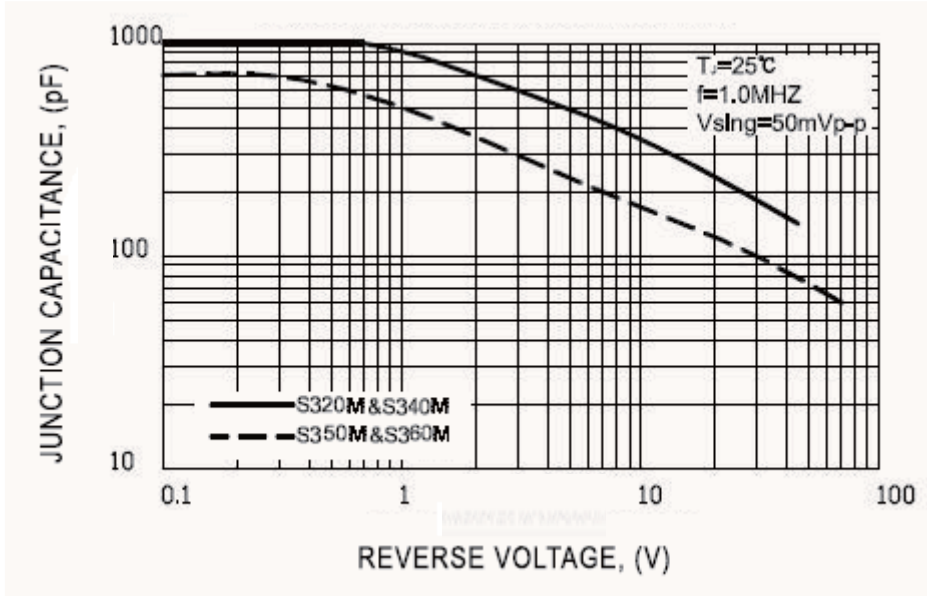


FIG. 6 –TYPICAL TRANSIENT THERMAL IMPEDANCE

