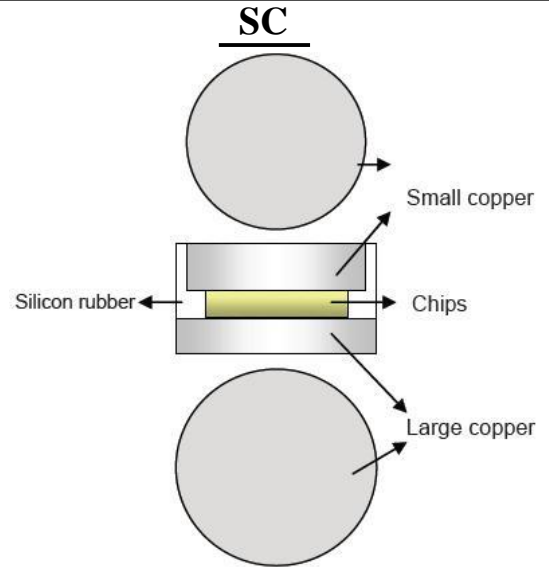


FEATURES

- High current capability
- . Low forward voltage drop
- . Low leakage current
- .High surge current capability

MECHANICAL DATA

Small copper: $\psi 0.258(6.55) \times 0.0394(1.0)$ Thick
 Large copper: $\psi 0.284(7.22) \times 0.0295(0.75)$ Thick
 Outline information: $\psi 0.284(7.22) \times 0.0866(2.2)$ Thick



Dimension in inches(millimeters)

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	SC							UNITS	
		L	35A	35B	35D	35G	35J	35K		35M
Maximum Current Peak Reverse Voltage	VRRM		50	100	200	400	600	800	1000	Volts
Maximum RMS Voltage	VRMS		35	70	140	280	420	560	700	Volts
Maximum DC Blocking Voltage	VDC		50	100	200	400	600	800	1000	Volts
$T_L=100^\circ\text{C}$ Maximum Average Forward Rectified Current	I(AV)		35							Amps
Peak Forward Surge Current 8.3ms Single Sine-wave on Rated Load (JEDEC Method)	IFSM		400							Amps
Maximum Instantaneous Forward Voltage Drop at 35A DC	VF		1.0							Volts
Maximum DC Reverse Current at Rated DC Blocking Voltage	IR		5 250							μA
Typical Junction Capacitance (NOTE 1)	CJ		300							pF
Operating AND Storage Temperature Range	TSTG/ TJ		-55 to +150							$^\circ\text{C}$

NOTE: 1.Measured at 1 MHz and Applied Reverse Voltage of 4.0 Volts D.C.

RATING AND CHARACTERISTIC CURVES SC35A THRU SC35M

FIG. 1 – MAXIMUM AVERAGE FORWARD CURRENT DERATING

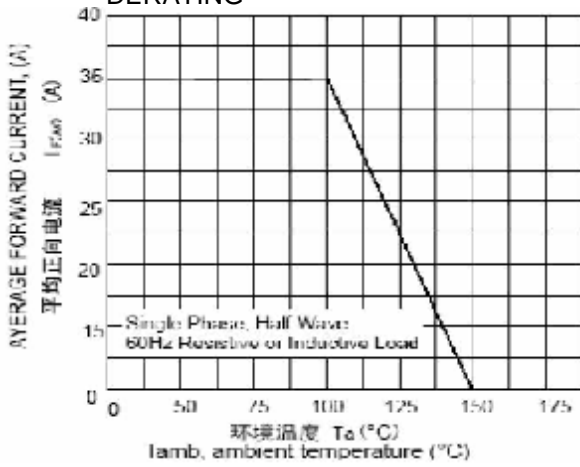


FIG. 2 – MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

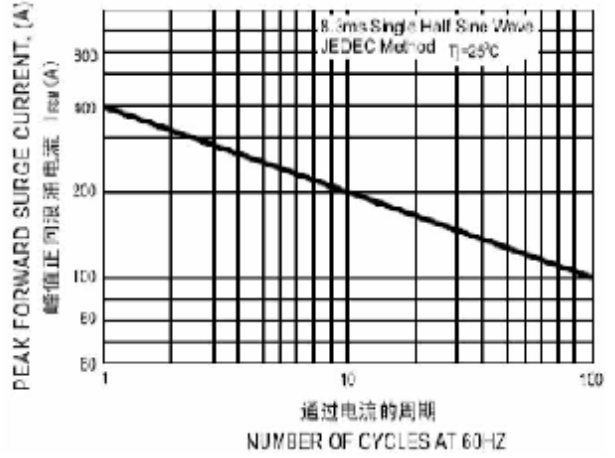


FIG. 3 – TYPICAL REVERSE CHARACTERISTICS

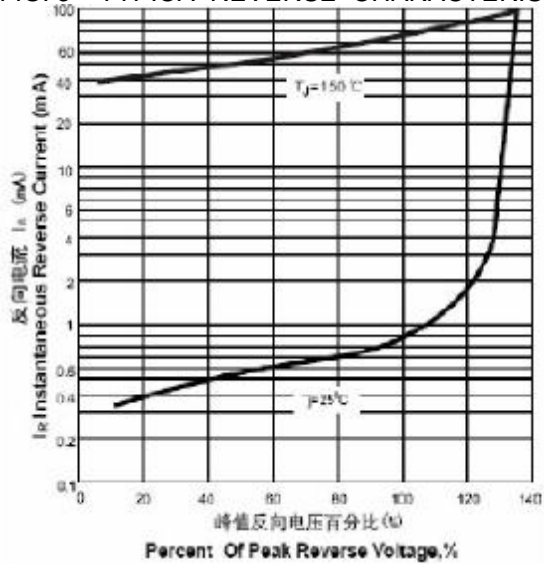


FIG. 4 – TYPICAL FORWARD CHARACTERISTICS

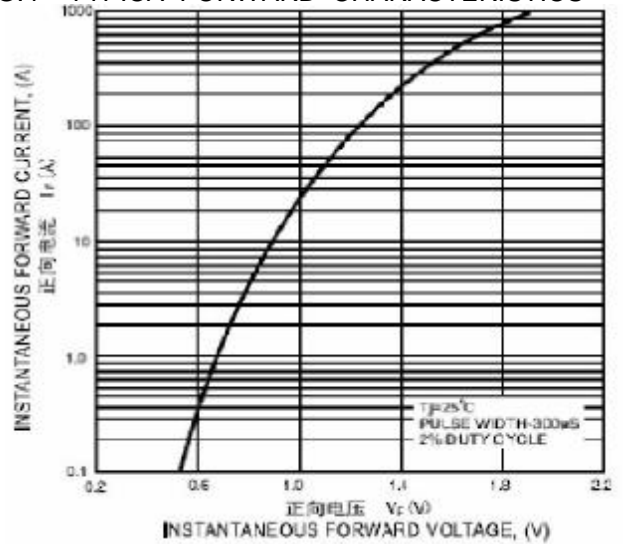


FIG. 5 – TYPICAL JUNCTION CAPACITANCE

