



TRANSIENT VOLTAGE SUPPRESSOR TYPE 35A

Features

- High Surge Capability
- High Current Capability
- Low leakage

Maximum Ratings

Operating Temperature: -65 °C to +175 °C
Storage Temperature: -65 °C to +175 °C

Part Number	Blocking Voltage AT I _Z		Reverse Current I _Z	Maximum Reverse Current AT [★] V _R	
	MIN	MAX		25 °C	150 °C
SC3522	20V	24V	100mA	1.00uA	50uA
SC3525	24V	32V	100mA	1.00uA	50uA
SC3539	37V	41V	100mA	1.00uA	50uA

SC3522 [★]V_R=16V

SC3525 [★]V_R=20V

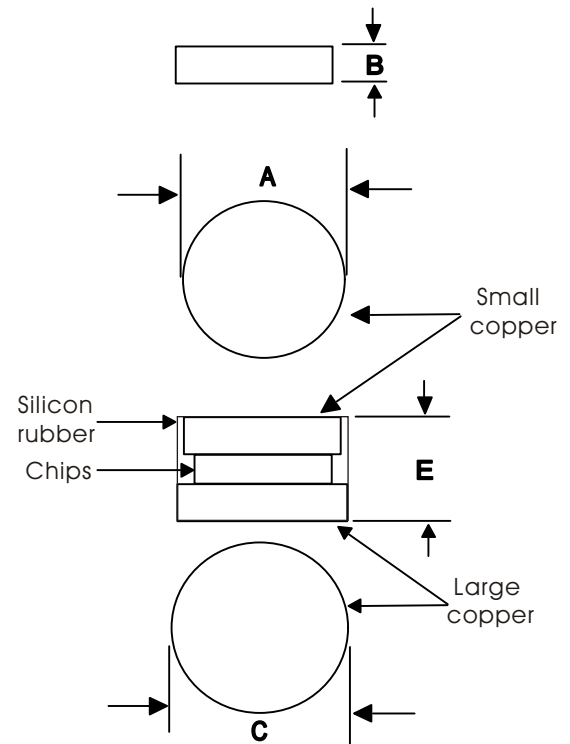
SC3539 [★]V_R=28V

Electrical Characteristics @ 25 °C Unless Otherwise Specified

Average Forward Current	I _{F(AV)}	35 A	T _C =150 °C
Peak Forward Surge Current	I _{FSM}	600A	8.3ms, Halfsine
Maximum Instantaneous Forward Voltage	V _F	1.00V	I _{FM} = 35A; T _J = 25 °C
Forward Voltage Temperature Coefficient @I _F =10mA	V _{FTC}	2mV/°C	

*Pulse Test: Pulse Width 300 usec, Duty Cycle 2%

35Amp
SOZA CELL



DIM	INCHES	MM	NOTE
	A	.2150	
B	.0394	1.00	
C	.2440	6.19	
D	.0295	.750	
E	.0866	2.20	



FIG.1- MAXIMUM FORWARD CURRENT DERATING CURVE

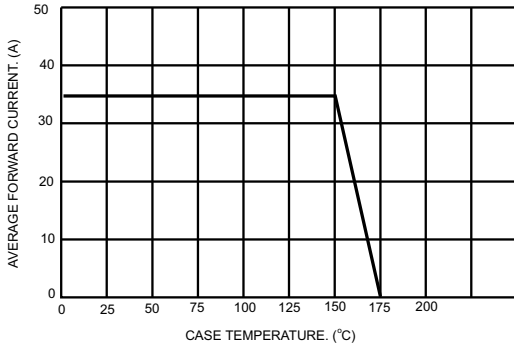


FIG.2- MAXIMUM NON-REPETITIVE PEAK FORWARD SURGE CURRENT

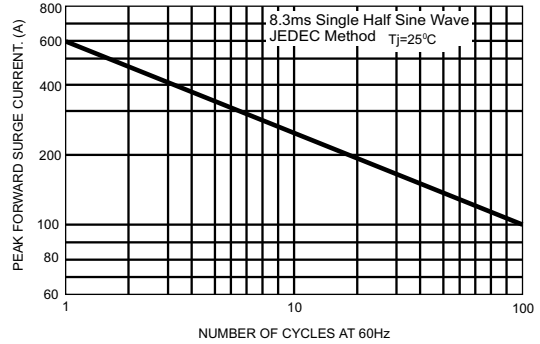


FIG.3- TYPICAL FORWARD CHARACTERISTICS

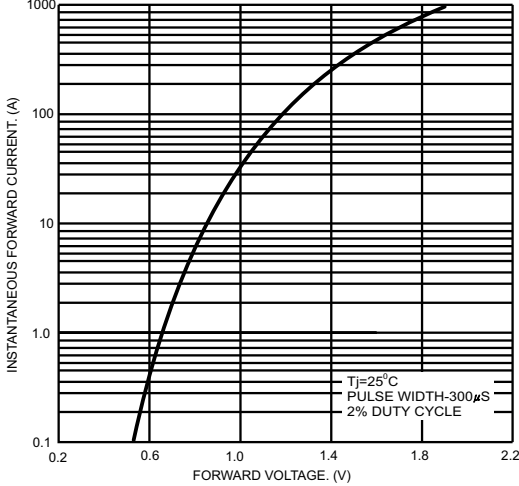


FIG.4- TYPICAL CAPACITANCE VS STAND-OFF VOLTAGE

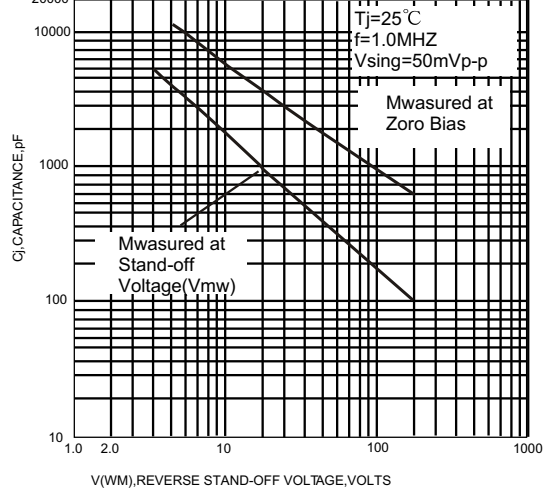


FIG.5- PULSE WAVEFORM

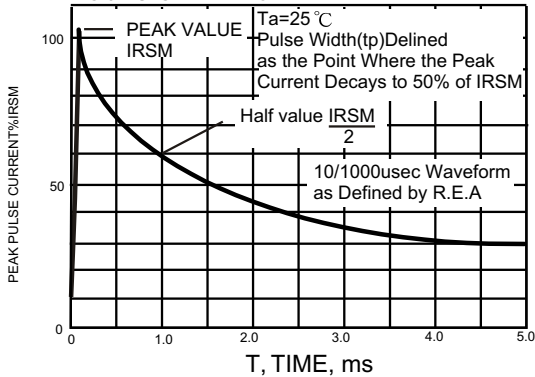


FIGURE 6- PULSE RATING CURVE

