

SURFACE MOUNT SCHOTTKY BARRIER RECTIFIERS		REVERSE VOLTAGE - 20 to 100 Volts FORWARD CURRENT - 2.0 Amperes								
FEATURES ●For surface mounted applications ●Metal-Semiconductor junction with guarding ●Epitaxial construction ●Very low forward voltage drop ●High current capability ●Plastic material has UL flammability classification 94V-0 ●For use in low voltage, high frequency inverters, free wheeling, and polarity protection applications. MECHANICAL DATA ●Case: Molded Plastic ●Polarity: Indicated by cathode band ●Weight: 0.002 ounces,0.064 grams		SMA Dimensions in inches and (millimeters)								
MAXIMUM RATINGS AND 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%										
CHARACTERISTICS		SYMBOL	SS22A	SS23A	SS24A	SS25A	SS26A	SS28A	SS210A	UNIT
Maximum Recurrent Peak Reverse Voltage		V _{RRM}	20	30	40	50	60	80	100	V
Maximum RMS Voltage		V _{RMS}	14	21	28	35	42	56	70	V
Maximum DC Blocking Voltage		V _{DC}	20	30	40	50	60	80	100	V
Maximum Average Forward Rectified Current @T _L =100 °C		I _(AV)	2.0							A
Peak Forward Surage Current 8.3ms Single Half Sine-Wave Super Imposed On Rated Load (JEDEC Method)		I _{FSM}	60							A
Maximum Forward Voltage at 2.0A DC		V _F	0.45	0.55	0.6	0.7		0.85		V
Maximum DC Reverse Current @T _J =25°C at Rated DC Blocking Voltage @T _J =100°C		I _R	1.0 20							mA
Typical Junction Capacitance (Note1)		C _J	200							pF
Typical Thermal Resistance (Note2)		R _{θJL}	15							°C/W
Operating Temperature Range		T _J	-55 to +150							°C
Storage Temperature Range		T _{STG}	-55 to + 150							°C
NOTES:1.Measured at 1.0 MHz and applied reverse voltage of 4.0V DC. 2.Thermal resistance junction to lead.										

RATING AND CHARACTERISTIC CURVES
SS22A thru SS210A



FIG. 1 - FORWARD CURRENT DERATING CURVE

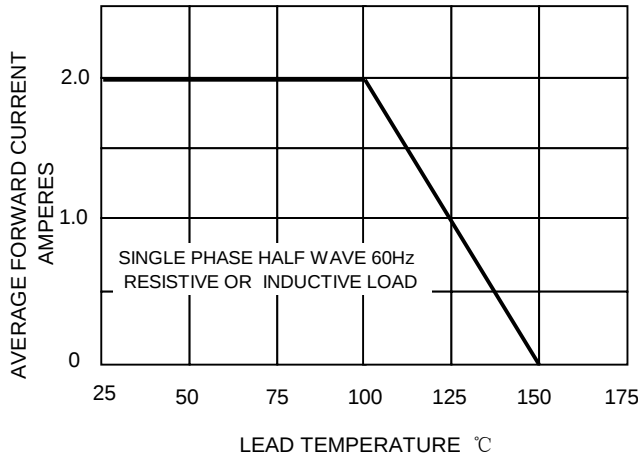


FIG.2 - MAXIMUM NON-REPETITIVE SURGE CURRENT

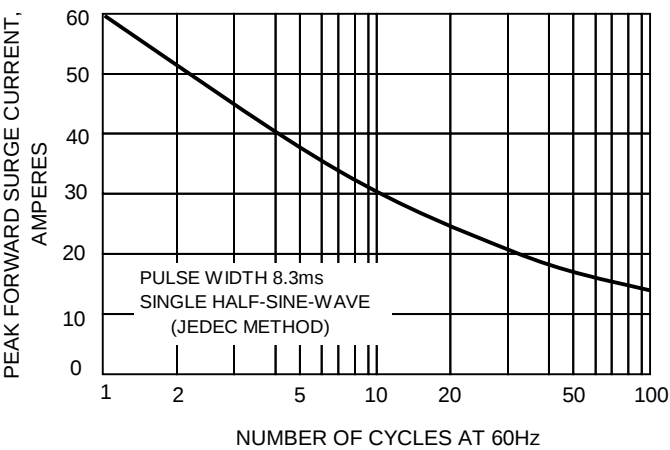


FIG.4-TYPICAL FORWARD CHARACTERISTICS

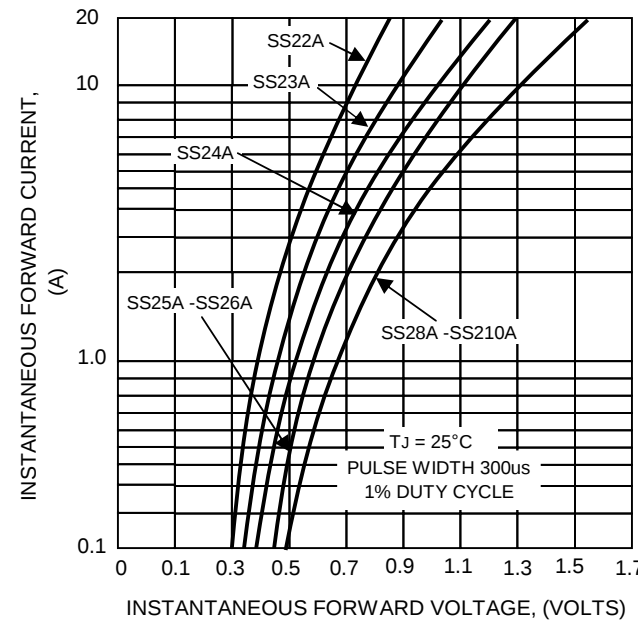


FIG.4-TYPICAL JUNCTION CAPACITANCE

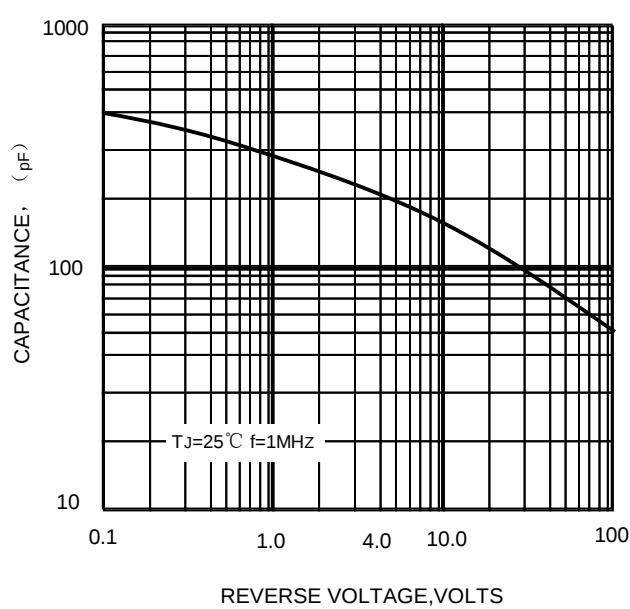


FIG.5-TYPICAL REVERSE CHARACTERISTICS

