

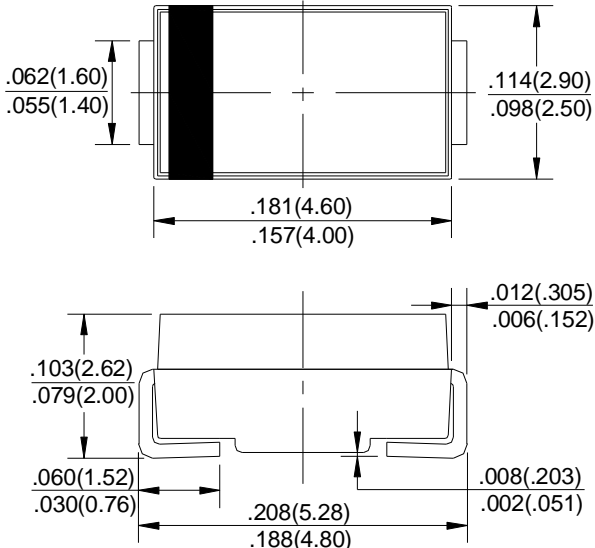
SURFACE MOUNT GLASS FAST RECOVERY RECTIFIERS		REVERSE VOLTAGE - 50 to 1000 Volts FORWARD CURRENT - 1.0 Amperes								
<div>FEATURES</div> <ul style="list-style-type: none">● Fast switching for high efficiency● Low cost● Diffused junction● Low reverse leakage current● Low forward voltage drop● High current capability● The plastic material carries UL recognition 94V-0 <div>MECHANICAL DATA</div> <ul style="list-style-type: none">●Case: Molded Plastic●Polarity: Indicated by cathode band●Weight: 0.002 ounces,0.064 grams●Mounting position: Any		<div>SMA</div>  <p>Dimensions in inches and (millimeters)</p>								
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	RS1A	RS1B	RS1D	RS1G	RS1J	RS1K	RS1M	UNIT
Maximum Recurrent Peak Reverse Voltage		VRRM	50	100	200	400	600	800	1000	V
Maximum RMS Voltage		VRMS	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage		VDC	50	100	200	400	600	800	1000	V
Maximum Average Forward Rectified Current @TA=75 °C		I(AV)	1.0							A
Peak Forward Surage Current 8.3ms Single Half Sine-Wave Super Imposed on Rated Load(JEDEC Method)		IFSM	30							A
Peak Forward Voltage at 1.0A DC		VF	1.3							V
Maximum DC Reverse Current @TJ=25°C		IR	5.0							uA
at Rated DC Blocking Voltage @TJ=100°C			100							
Maximum Reverse Recovery Time (Note 1)		TRR	150				250	500		nS
Tyical Junction Capacitance (Note2)		CJ	25				15			pF
Tyical Thermal Resistance (Note3)		RθJA	25							°C/W
Operating Temperature Range		TJ	-50 to +150							°C
Storage Temperature Range		TSTG	-50 to +150							°C
NOTES: 1.Measured with IF=0.5A,IR=1A,IRR=0.25A										
2.Measured at 1.0 MHz and applied reverse voltage of 4.0V DC										
3.Thermal resistance junction of ambient.										

FIG. 1 – FORWARD CURRENT DERATING CURVE

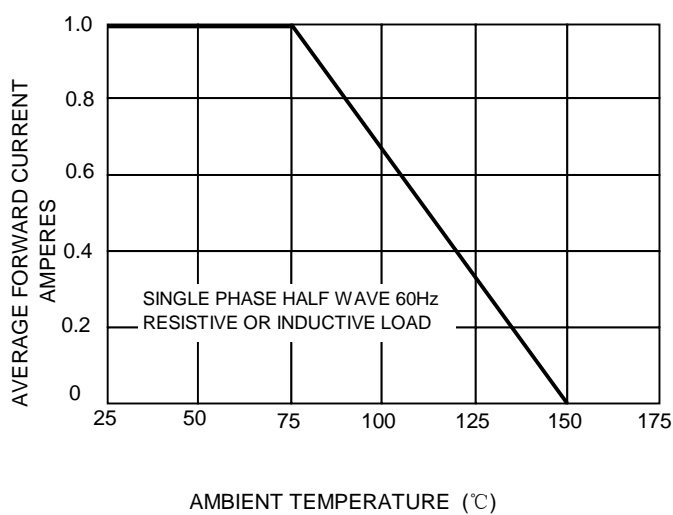


FIG. 2 – MAXIMUM NON-REPETITIVE SURGE CURRENT

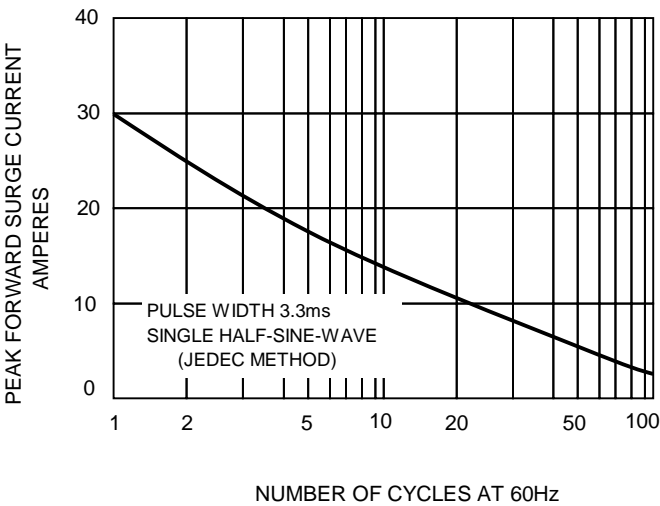


FIG.3 – TYPICAL JUNCTION CAPACITANCE

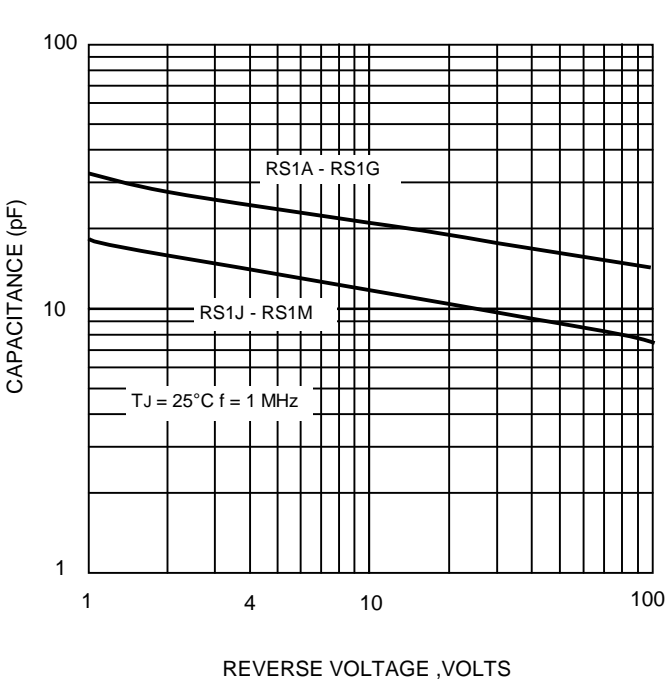


FIG.4-TYPICAL FORWARD CHARACTERISTICS

