
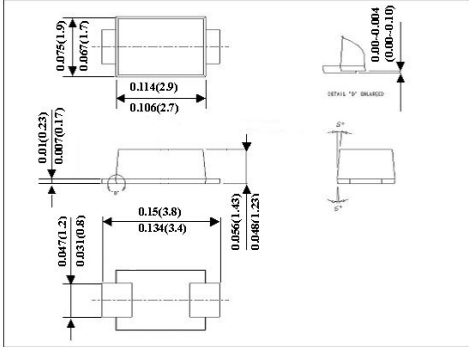
	<h2 style="margin: 0;">SS22L THRU SS210L</h2> <h3 style="margin: 0;">2.0 AMPS. Surface Mount Schottky Barrier Rectifiers</h3>
	<p>Voltage Range 20 to 100 Volts Current 2.0 Amperes</p>
<p><b>Features</b></p> <ul style="list-style-type: none"> <li>✧ For surface mounted application</li> <li>✧ Low –PROFILE PACKAGE</li> <li>✧ Ideal for automated placement</li> <li>✧ Low power loss, high efficiency</li> <li>✧ High temperature soldering: 260°C / 10 seconds at terminals</li> </ul> <p><b>Mechanical Data</b></p> <ul style="list-style-type: none"> <li>✧ Cases: Sub SMA plastic case</li> <li>✧ Polarity: Color band denotes cathode end</li> <li>✧ Packaging: 12mm tape per EIA STD RS-481</li> <li>✧ Weight approx. 15mg</li> </ul>	<p><b>Sub SMA</b></p>  <p><b>Dimensions in inches and (millimeters)</b></p>

### Maximum Ratings and Electrical Characteristics

Rating at 25°C ambient temperature unless otherwise specified.

Single phase, half wave, 60 Hz, resistive or inductive load.

For capacitive load, derate current by 20%

Type Number	Symbol	SS 22L	SS 23L	SS 24L	SS 25L	SS 26L	SS 29L	SS 210L	Units	
Maximum Recurrent Peak Reverse Voltage	$V_{RRM}$	20	30	40	50	60	90	100	V	
Maximum RMS Voltage	$V_{RMS}$	14	21	28	35	42	63	70	V	
Maximum DC Blocking Voltage	$V_{DC}$	20	30	40	50	60	90	100	V	
Marking Code (Note 4)		22LYM	23LYM	24LYM	25LYM	26LYM	29LYM	210LYM		
Maximum Average Forward Rectified Current at $T_A$ (See Fig. 1)	$I_{(AV)}$	2.0							A	
Peak Forward Surge Current, 8.3 ms Single Half Sine-wave Superimposed on Rated Load (JEDEC method)	$I_{FSM}$	50							A	
Maximum Instantaneous Forward Voltage (Note 1) @ 2.0A	$V_F$	0.5		0.70		0.85		V		
Maximum DC Reverse Current @ $T_A=25^\circ\text{C}$ at Rated DC Blocking Voltage @ $T_A=100^\circ\text{C}$	$I_R$	0.4				0.1		mA		
		20		10.0		20		mA		
Typical Junction Capacitance (Note 3)	$C_j$	130							pF	
Typical Thermal Resistance ( Note 2 )	$R_{\theta JL}$ $R_{\theta JA}$	17				75				$^\circ\text{C}/\text{W}$ $^\circ\text{C}/\text{W}$
Operating Temperature Range	$T_J$	-65 to +125			-65 to +150				$^\circ\text{C}$	
Storage Temperature Range	$T_{STG}$	-65 to +150							$^\circ\text{C}$	

Notes: 1. Pulse Test with PW=300 usec, 1% Duty Cycle

2. Measured on P.C.Board with 0.27 x 0.27" (7.0 x 7.0mm) Copper Pad Areas.

3. Measured at 1 MHz and Applied Reverse Voltage of 4.0V D.C.

4. 22LYM: 2=2A, 2=20V, L-Low Profile, Y-Year Code, M-Month Code.

### RATINGS AND CHARACTERISTIC CURVES (SS22L THRU SS210L)

FIG.1- MAXIMUM FORWARD CURRENT DERATING CURVE

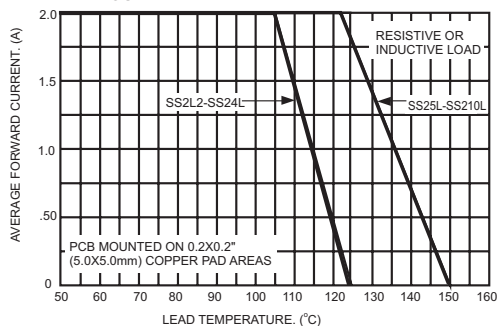


FIG.2- MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

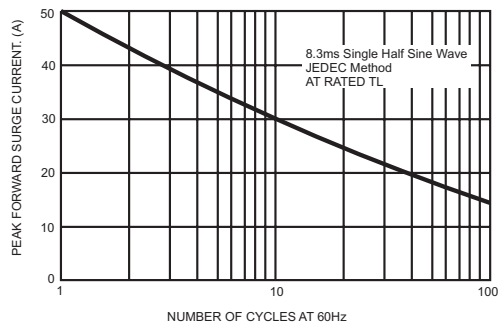


FIG.3- TYPICAL FORWARD CHARACTERISTICS

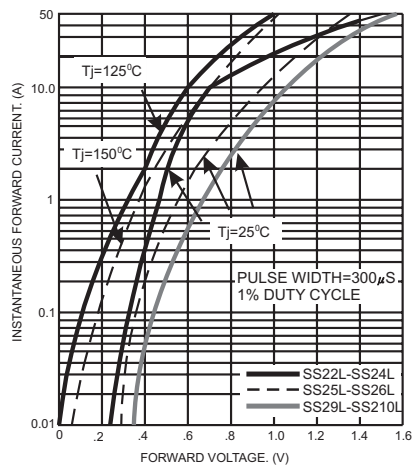


FIG.4- TYPICAL REVERSE CHARACTERISTICS

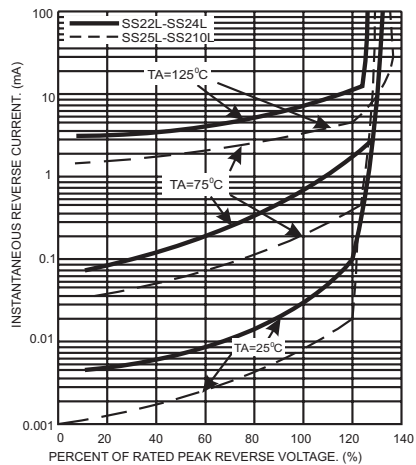


FIG.5- TYPICAL JUNCTION CAPACITANCE

