
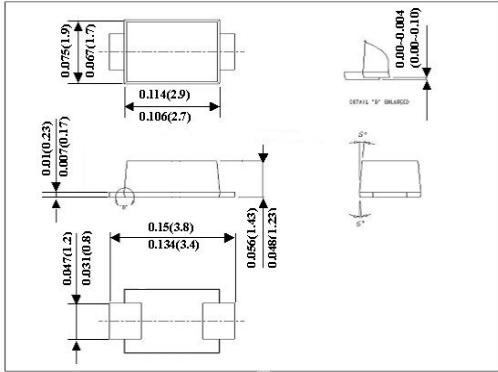
	<h2 style="margin: 0;">SS22L THRU SS210L</h2> <h3 style="margin: 0;">2.0 AMPS. Surface Mount Schottky Barrier Rectifiers</h3>
	Voltage Range 20 to 100 Volts Current 2.0 Amperes
<p>Features</p> <ul style="list-style-type: none"> ✦ For surface mounted application ✦ Low –PROFILE PACKAGE ✦ Ideal for automated placement ✦ Low power loss, high efficiency ✦ High temperature soldering: 260°C / 10 seconds at terminals <p>Mechanical Data</p> <ul style="list-style-type: none"> ✦ Cases: Sub SMA plastic case ✦ Polarity: Color band denotes cathode end ✦ Packaging: 12mm tape per EIA STD RS-481 ✦ Weight approx. 15mg 	<p style="text-align: center;">Sub SMA</p> <div style="text-align: center;">  </div> <p style="text-align: center;">Dimensions in inches and (millimeters)</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_L (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)	$R \theta_{JL}$	17							$^\circ\text{C/W}$
	$R \theta_{JA}$	75							$^\circ\text{C/W}$
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

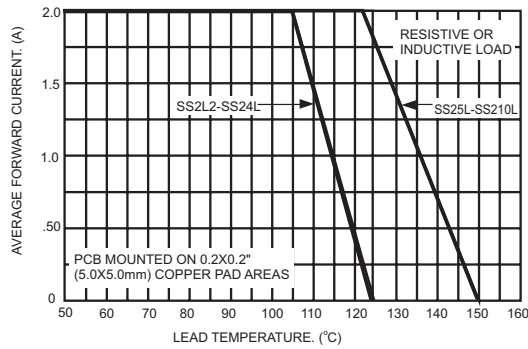


FIG.2- MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

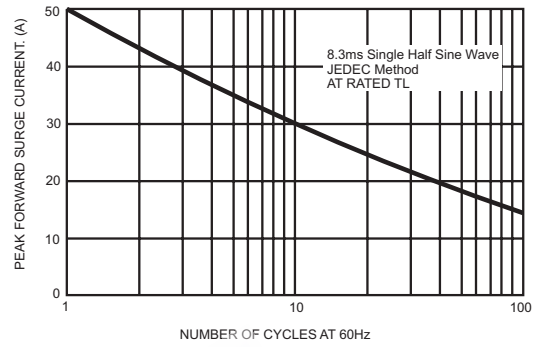


FIG.3- TYPICAL FORWARD CHARACTERISTICS

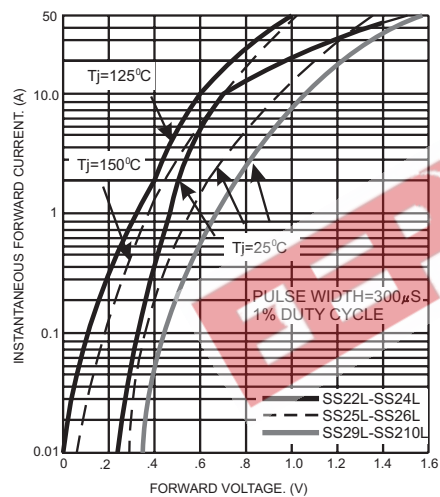


FIG.4- TYPICAL REVERSE CHARACTERISTICS

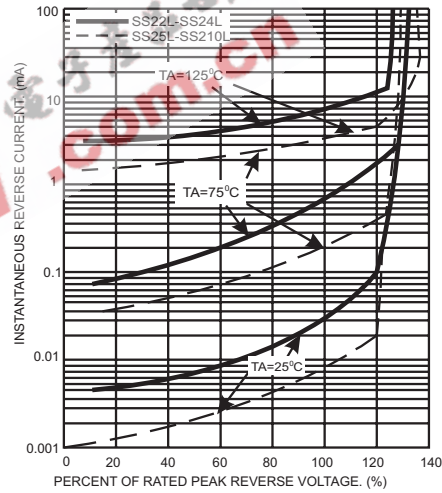


FIG.5- TYPICAL JUNCTION CAPACITANCE

