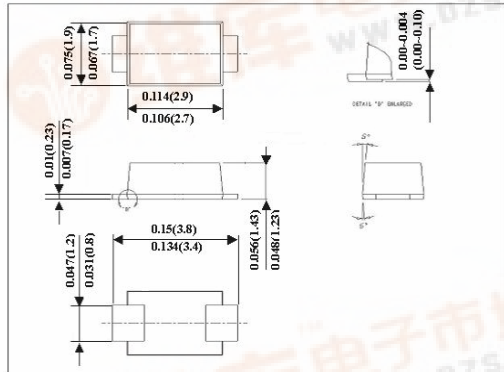


Preliminary

	SS22L THRU SS210L 2.0 AMPS. Surface Mount Schottky Barrier Rectifiers								
	Voltage Range 20 to 100 Volts Current 2.0 Amperes								
Features ✧ 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		Sub SMA  Dimensions in inches and (millimeters)							
Mechanical Data ✧ Cases: Sub SMA plastic case ✧ Polarity: Color band denotes cathode end ✧ Packaging: 12mm tape per EIA STD RS-481 ✧ Weight approx. 15mg									
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	Symbo I	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°C at Rated DC Blocking Voltage @ T _A =100°C	I _R	0.4				0.1		mA	
		20		10.0		20			
Typical Junction Capacitance (Note 3)	C _j	130							pF
Typical Thermal Resistance (Note 2)	R θ JL	17							°C/W
	R θ JA	75							°C/W
Operating Temperature Range	T _J	-65 to +125			-65 to +150			°C	
Storage Temperature Range	T _{STG}	-65 to +150							°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

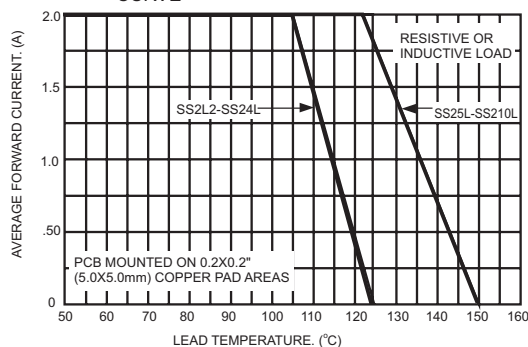


FIG.2- MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

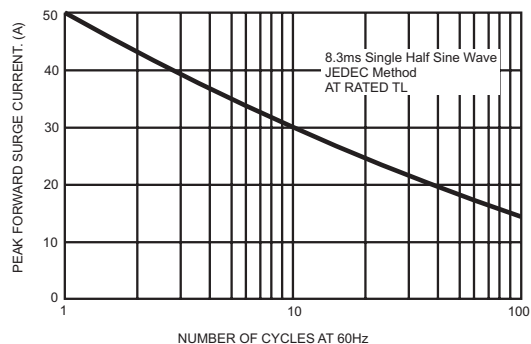


FIG.3- TYPICAL FORWARD CHARACTERISTICS

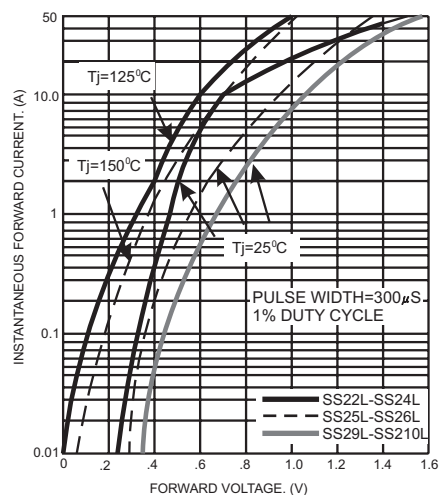


FIG.4- TYPICAL REVERSE CHARACTERISTICS

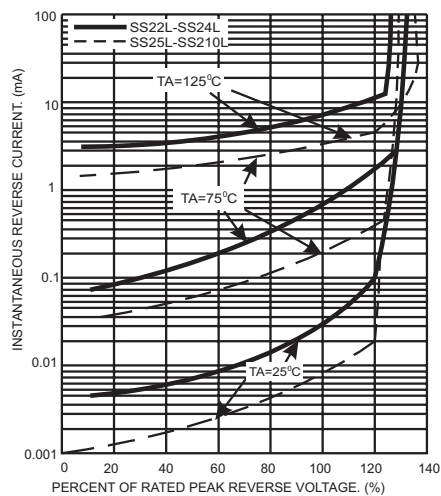


FIG.5- TYPICAL JUNCTION CAPACITANCE

