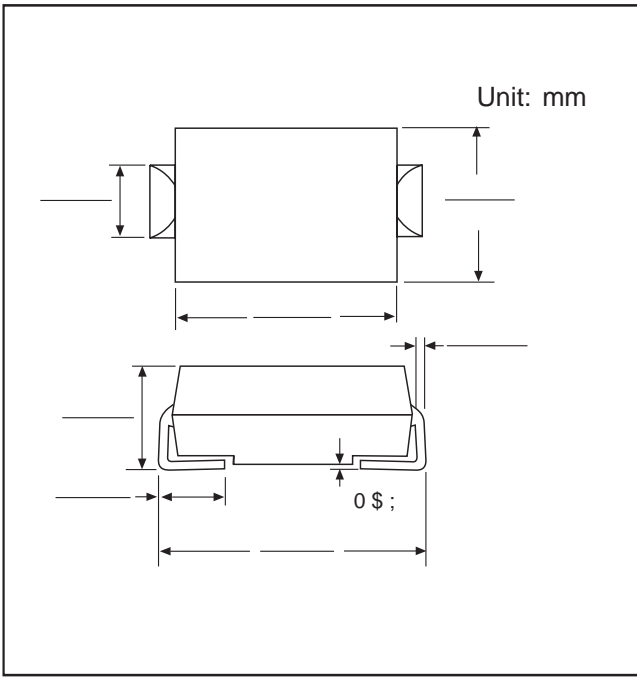


60\$ 3/\$676, &, & 2\$ (&7,), (56

) (\$785(6
 "Plastic package has Underwriters Laboratory
 Flammability Classification 94V-O Utilizing
 "For surface mounted applications
 "Metal silicon junction, majority carrier conduction
 "Low power loss, high efficiency
 "Built-in strain relief, ideal for automated placement
 "High forward surge current capability
 "High temperature soldering guaranteed: 260 /10 seconds at
 terminals
 "Component in accordance to RoHS and WEEE
 (8
 0 (& + \$ 1, & \$ / ' \$ 7 \$
 "Case: SMA molded plastic body
 "Polarity: Color band denotes cathode end
 "Mounting Position: Any



0\$; , 080 5\$ 7 , 1 * 6 \$ 1 ' & + \$ 5 \$ & 7 (5 , 6 7 , & 6

f & \$ P E L H G W S H U D X Q O R H W K H U Z L W H G

TYPE NUMBER		SYMBOL	SS12	SS13	SS14	SS15	SS16	SS18	SS110	SS115	SS120	UNITS
Maximum recurrent peak reverse voltage		V_{RRM}	20	30	40	50	60	80	100	150	200	V
Maximum RMS voltage		V_{RMS}	14	21	28	35	42	56	70	105	140	V
Maximum DC blocking voltage		V_{DC}	20	30	40	50	60	80	100	150	200	V
Maximum Average Forward rectified Current 0.375" (9.5mm) lead length		$I_{F(AV)}$	1.0									A
Peak forward surge current 8.3ms single half sine-wave superimposed on rated load		I_{FSM}	30.0									A
Maximum instantaneous forward voltage at 1.0 A (Note 1)		V_F	0.45	0.55	0.70		0.85				V	
Maximum reverse current at rated DC blocking voltage per diode	@ $T_A=25$	I_R	0.5									mA
	@ $T_A=100$		6.0			5.0						
Typical Thermal Resistance (Note 2)		$R_{\theta JA}$	88.0									/W
Typical junction capacitance (Note 3)		C_j	110				90					pF
Storage Temperature		T_{STG}	- 5 ---- + 150									
Operation Junction Temperature		T_j	- 5 ---- + 125				- 5 to +150					

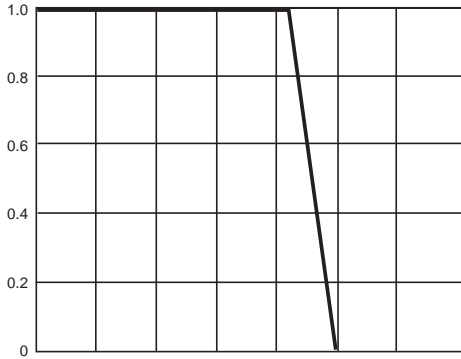
NOTE:

1. Measured at 1MHz and applied reverse voltage of 4.0V D.C.

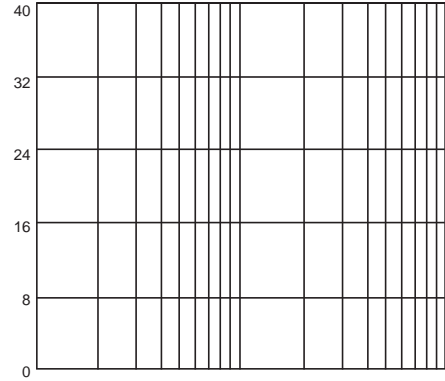
2. P.C.B. mounted with 0.2x0.2" (5.0x5.0mm) copper pad areas

5 \$ 7 , 1 * 6 \$ 1 ' & + \$ 5 \$ & 7 (5 , 6 7 , & & 8 5 9 (6

) , *) 2 5 : \$ 5 ' & 8 5 5 (1 7 ' (5 \$ 7 , 1 * & 8 5 9 * 0 \$: , 0 8 0 1 2 1 5 (3 (7 , 7 , 9 (3 () 2 5 : \$ 5 ' 6 8 5 * (& 8 5 5 (1 7



...3(\$.) 2 5 : \$ 5 ' 6 8 5 * (& 8 5 5 (1 7 \$ 0 3 (5 (6



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