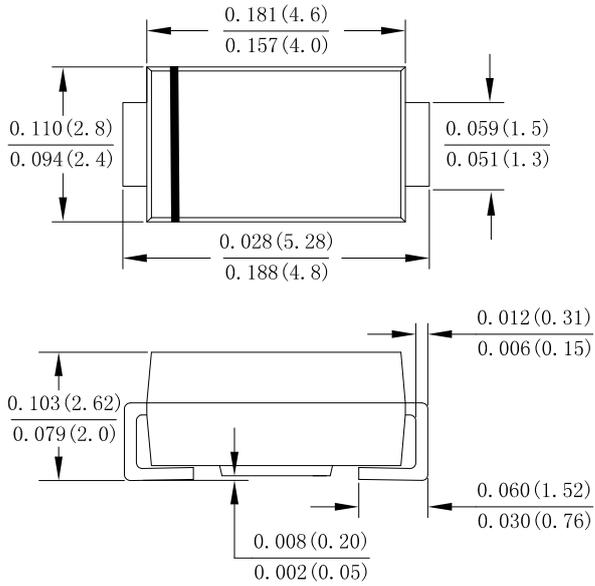


Features	Case: SMA(DO-214AC)
<ul style="list-style-type: none"> • Glass Passivated Die Construction • Low forward voltage drop • High current capability • High reliability • Metalsilicon junction, majority carrier conduction • Plastic Case Material has UL Flammability Classification Rating 94V-0 	 <p style="text-align: center;">Dimensions in inches and (millimeters)</p>
Mechanical Data	
<ul style="list-style-type: none"> • Case: Molded plastic SMA • Terminals: Plated leads solderable per MIL-STD-750, Method 2026 guaranteed • Polarity: Color band denotes cathode end • Mounting Position: Any • Making: Type Number 	

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%									
Type Number	SYMBOL	S2A	S2B	S2D	S2G	S2J	S2K	S2M	Unit
Maximum Recurrent Peak Reverse Voltage	V_{RRM}	50	100	200	400	600	800	1000	V
Maximum RMS Voltage	V_{RMS}	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	V_{DC}	50	100	200	400	600	800	1000	V
Average Rectified Output Current @ $T_L = 75^\circ C$	$I_{F(AV)}$	2.0							A
Peak Forward Surge Current 8.3ms Single half sine-wave superimposed on rated load (JEDEC Method)	I_{FSM}	60							A
Forward Voltage @ $I_F = 2.0A$	V_{FM}	1.0							V
Peak Reverse Current @ $T_A = 25^\circ C$	I_R	5.0							uA
At Rated DC Blocking Voltage @ $T_A = 125^\circ C$		200							
Operating Temperature Range	T_J	-55 to +150							°C
Storage Temperature Range	T_{STG}	-55 to +150							°C

Fig. 1 Forward Current Derating Curve

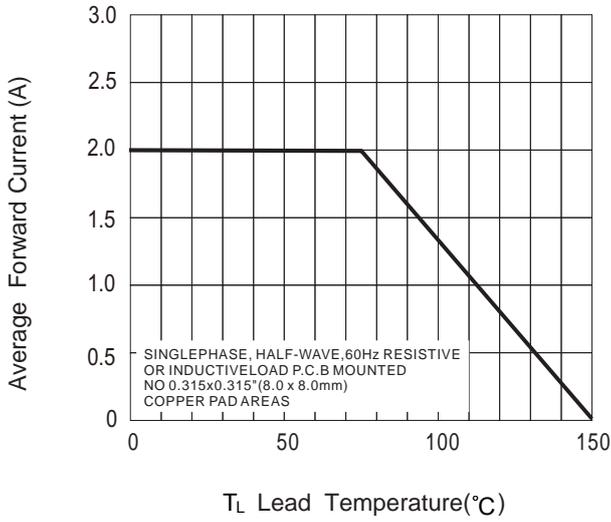


Fig. 2 Typ. Forward Characteristics

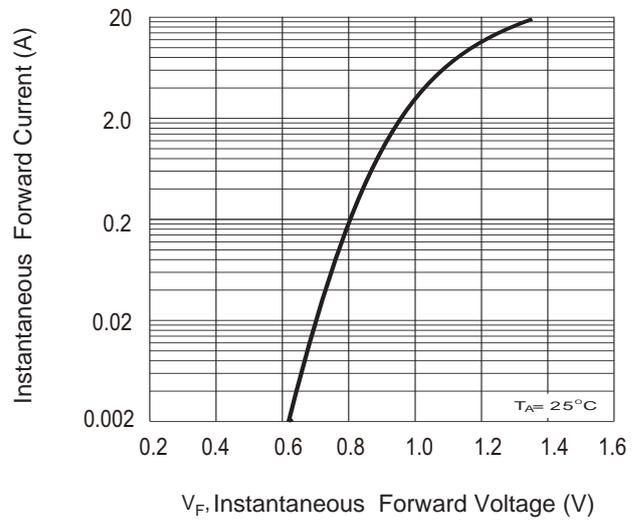


Fig. 3 Max Non-Repetitive Peak Fwd Surge Current

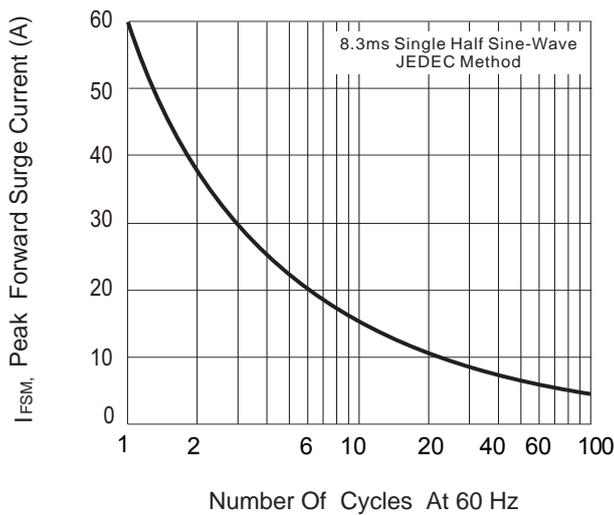


Fig.4 Typical Reverse Characteristics

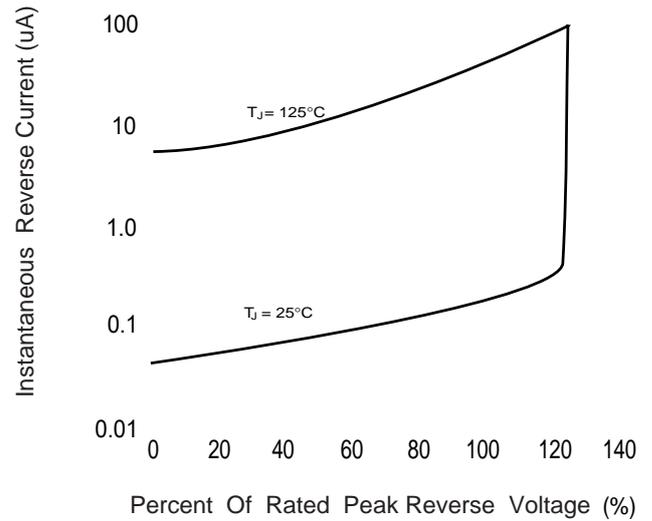
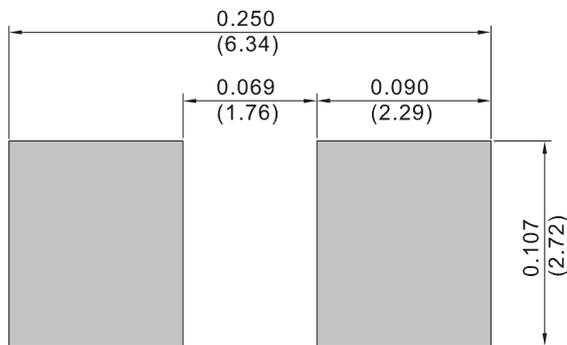


Fig.5 Mounting PAD Layout



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