Features

The plastic package carries Underwriters Laboratory Flammability Classification 94V-0

For surface mounted applications

Built-in strain relief,ideal for automated placement

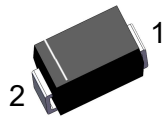
Low reverse leakage

High forward surge current capability

High temperature soldering guaranteed

250℃/10 seconds at terminals

Symbol





DO-214AC/SMA

Mechanical Data

Case : Molded plastic body

Polarity : Polarity symbol marking on body

Mounting Position : Any

Weight : 0.0023 ounce, 0.07 grams

Maximum Ratings And Electrical Characteristics

Parameter	SYMBOLS	SS32	SS34	SS36	SS38	SS310	SS315	SS320	UNITS
Maximum repetitive peak reverse voltage	V_{RRM}	20	40	60	80	100	150	200	V
Maximum RMS voltage	V_{RMS}	14	28	42	56	70	105	140	V
Maximum DC blocking voltage	V_{DC}	20	40	60	80	100	150	200	V
Maximum average forward rectified current at T_L=100℃	$I_{F(AV)}$	3.0							A
Peak forward surge current, 8.3ms single half sine-wave superimposed on rated load	I_{FSM}	80.0							A
Maximum instantaneous forward voltage at 3.0A	V_F	0.55		0.70	0.85		0.95		V
Maximum DC reverse current T_A =25℃ at rated DC blocking voltage T_A=125℃	I_R	0.5 50			0.05 10				mA
Typical thermal resistance	R_{qJA}	80.0							°C/W
Operating junction temperature range	T_J	-55 to +150							°C
Storage temperature range	T_{STG}	-55 to +150							°C

Ratings And Characteristic Curves

FIG. 1- DERATING CURVE OUTPUT RECTIFIED CURRENT

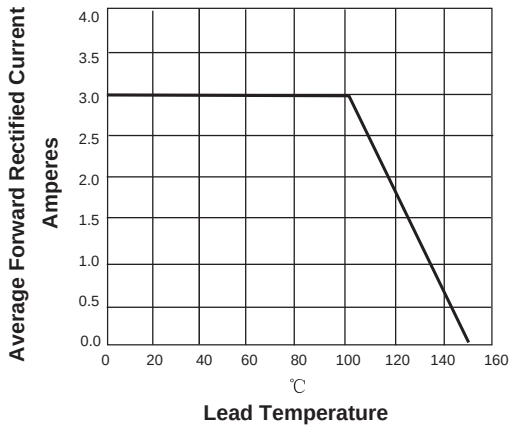


FIG. 2-MAXIMUM NON-REPETITIVE PEAK FORWARD SURGE CURRENT PERLEG

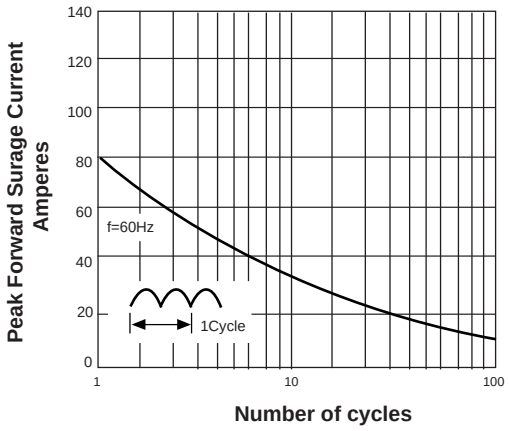


FIG. 3-TYPICAL FORWARD VOLTAGE CHARACTERISTICS

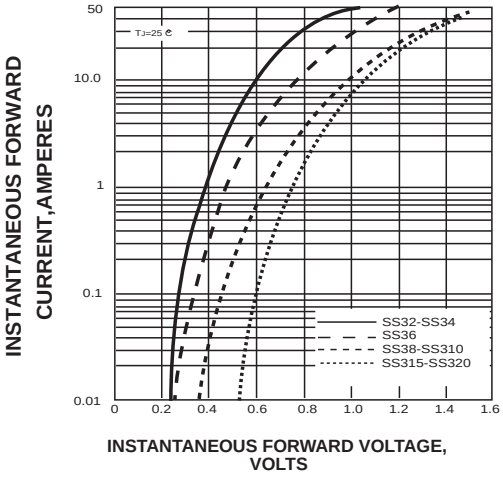
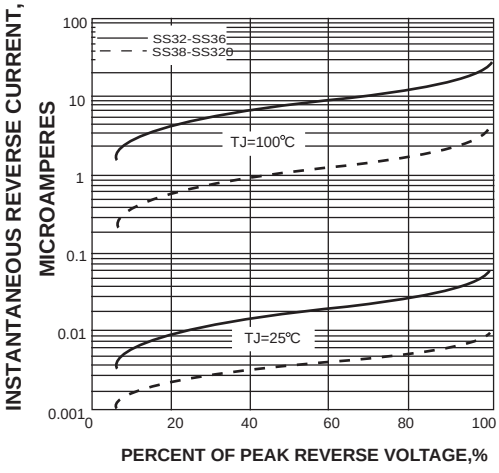
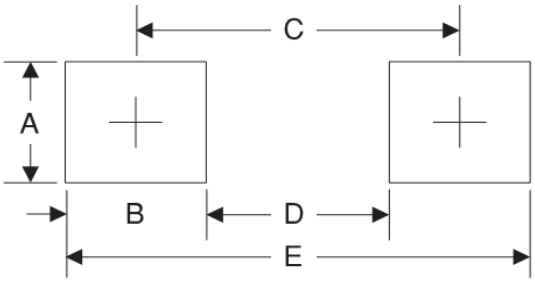


FIG. 4-TYPICAL REVERSE LEAKAGE CHARACTERISTICS

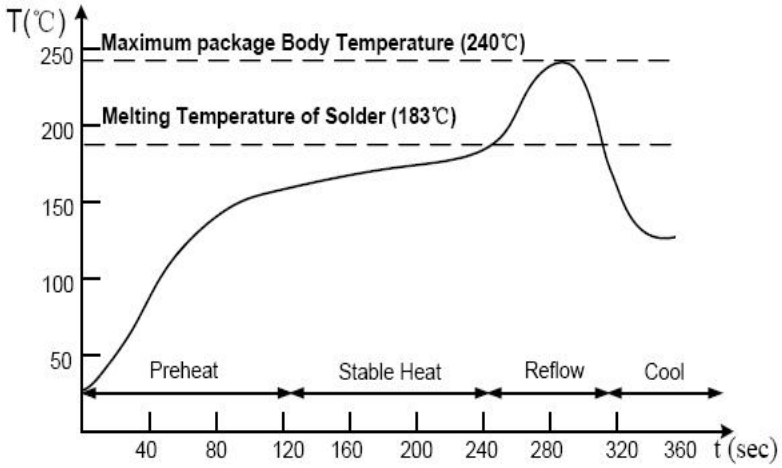


Suggested Pad Layout



Symbol	Unit (mm)	Unit (inch)
A	1.68	0.066
B	1.52	0.060
C	3.90	0.154
D	2.41	0.095
E	5.45	0.215

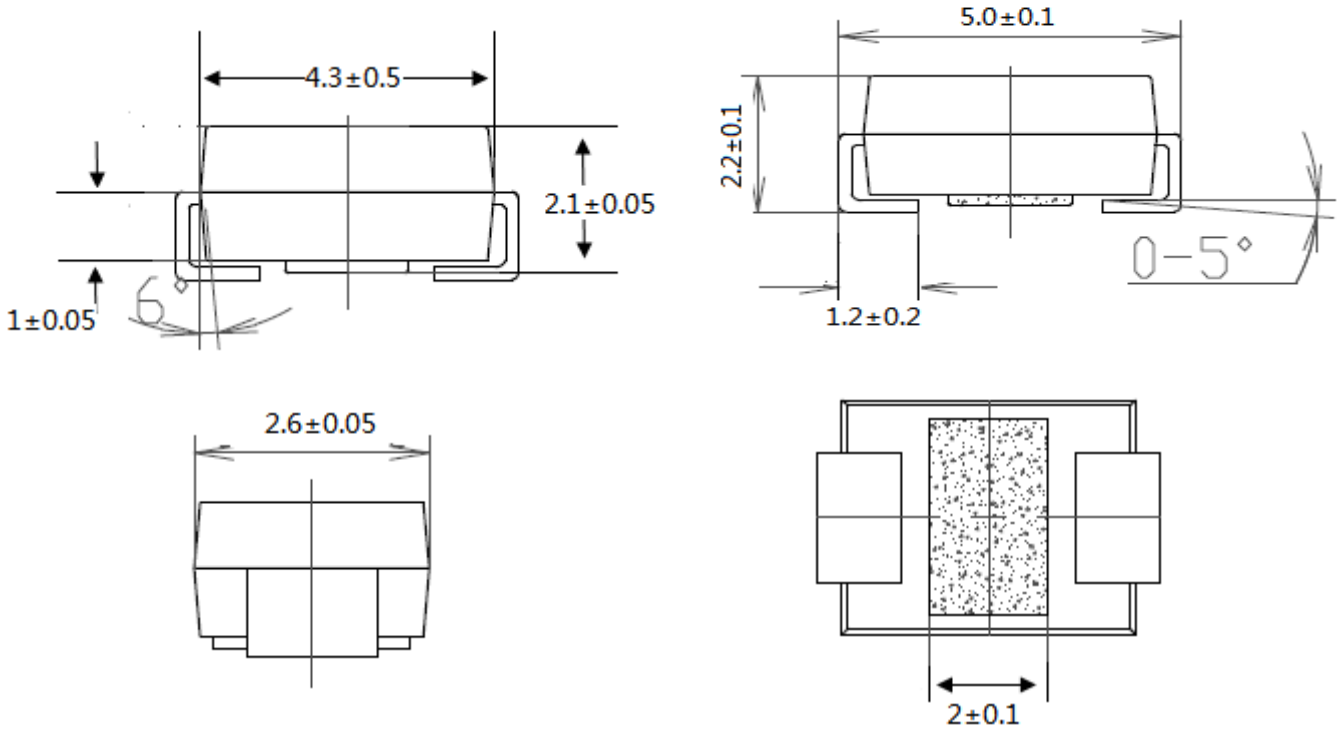
Suggested Soldering Temperature Profile



Package Specifications

Package	Reel Size	Reel DIA. (mm)	Q'TY/Reel (Kpcs)	Box Size (mm)	QTY/Box (Kpcs)	Carton Size (mm)	Q'TY/Carton (Kpcs)
SMA	11'	278	5	285	10	355*310*310	80
	13'	330	7.5	340	15	360*360*360	120

DO-214AC/SMA Package Outline Dimensions



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