ANOVA TECHNOLOGIES CO., LTD.

SMA02P-140

GLASS PASSIVATED
LOW CAPACITANCE
TRANSIENT VOLTAGE SUPPRESSORS

PEAK PULSE POWER **200** WATTS

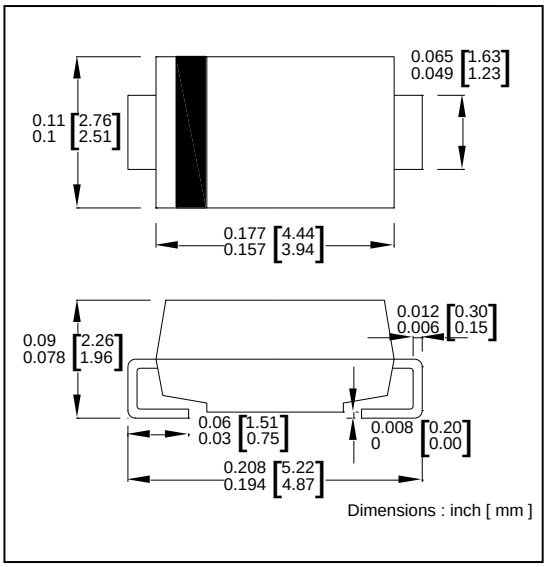
FEATURES

- Glass passivated chip
- 600 W peak pulse power capability with a 10/1000 μs waveform, repetitive rate (duty cycle):0.01 %
- Low leakage
- Uni and Bidirectional unit
- Excellent clamping capability
- Very fast response time

MECHANICAL DATA

- Case: Molded plastic
- Epoxy: UL 94V-0 rate flame retarda
- Lead: Solderable per MIL-STD-750, Method 2026
- Polarity: Color band denotes cathoc
- Mounting position: Any
- Marking code: SAX

SMA / DO-214AC



RATINGS AND ELECTRICAL CHARACTERISTICS

Rating at 25℃ ambient temperature unless otherwise speci

Parameter	Symbol	ZD	DI	UNIT
Peak power dissipation with a 10/1000μs waveform	P_{PPM}	200	-	Watts
Maximum Reverse Voltage	V_{RM}	120	800	V
Peak Surge Reverse Current	I_{RSM}	1.0	-	A
Movement Start Voltage	V_{BR}	130-160	-	V
Maximum Restriction Voltage @ I_{PP}=0.75A	V_{CL}	200	-	V
Maximum Leak Current	I_R	5		μA
Reverse Recovery Time	Trr	-	≦500	ns
Operating junction and storage temperature range	T_J, T_{STG}	–55~150		°C
Power Dissipation on Infinite Heat Sink at T_L=50℃	P_D	1	-	Watts
Typical Thermal Resistance Junction to Lead	$R_{\theta JL}$	50	-	°C/W

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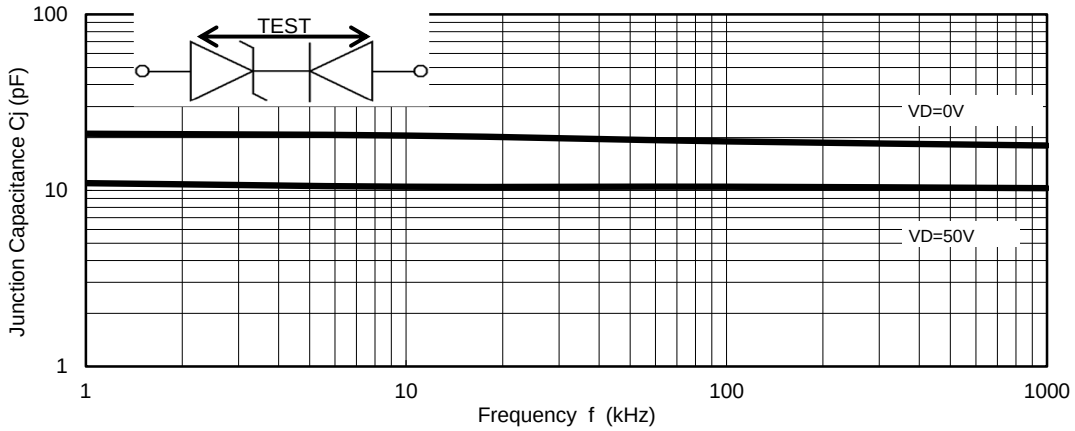

Fig.1 - Junction Capacitance

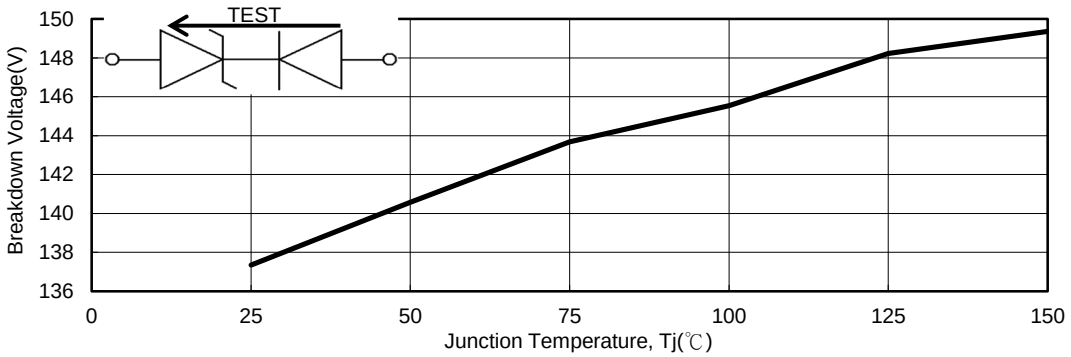

Fig.2 - Breakdown Voltage

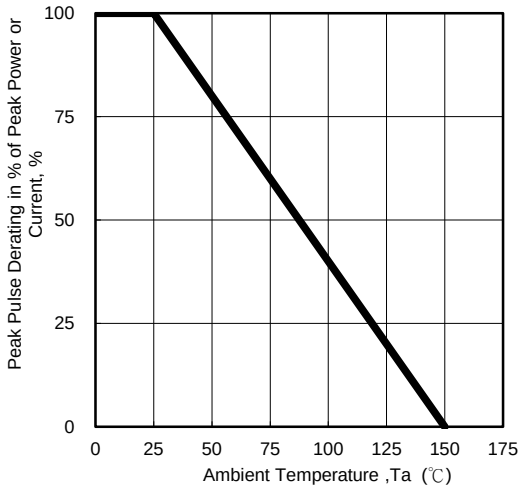

Fig. 3 - Pulse Derating Curve

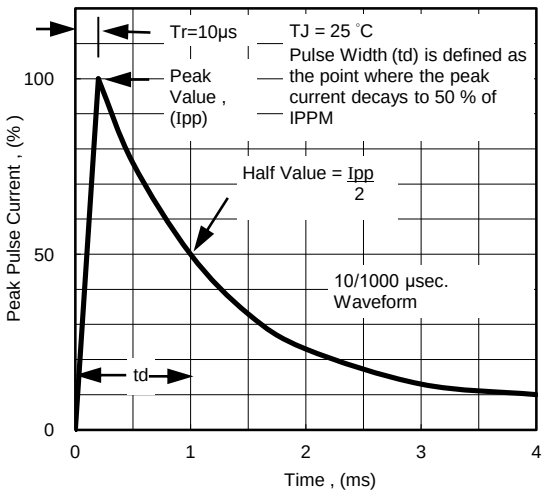

Fig. 4 - Pulse Waveform