

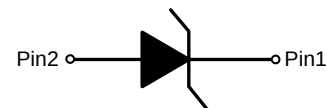
Transient Voltage Suppressors

FEATURES

- Available in uni-directional polarity only
- Peak pulse power:
– 8000 W (10/1000 μ s)
- Stand off voltage range: 26 V
- Unidirectional types
- Low leakage current:
 - 10 μ A at 25 °C
 - 150 μ A at 175°C
- Operating $T_{j\max}$: 175°C
- JEDEC registered package outline
- Resin meets UL 94, V0



DO-218AB



Circuit diagram

Complies with the following standards

- ISO 10605, C = 150 pF, R = 330 Ω :
 - 30 kV (air discharge)
 - 30 kV (contact discharge)
- ISO 10605, C = 330 pF, R = 330 Ω :
 - 30 kV (air discharge)
 - 30 kV (contact discharge)

ELECTRICAL CHARACTERISTICS (JEDEC REGISTERED DATA) (T _A = 25 °C unless otherwise noted)							
DEVICE TYPE	BREAKDOWN VOLTAGE V _{BR} AT I _T (V)		TEST CURRENT I _T (mA)	STAND-OFF VOLTAGE V _{WM} (V)	MAXIMUM REVERSE LEAKAGE AT V _{WM} I _D (μA)	MAXIMUM PEAK PULSE CURRENT I _{PPM} (A)	MAXIMUM CLAMPING VOLTAGE AT I _{PPM} V _C (V)
	MIN.	MAX.					
SM8S80J26V	28.9	31.9	5.0	26.0	10.0	190.0	42.1

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RATINGS AND CHARACTERISTICS CURVES ($T_A = 25\text{ }^{\circ}\text{C}$ unless otherwise noted)

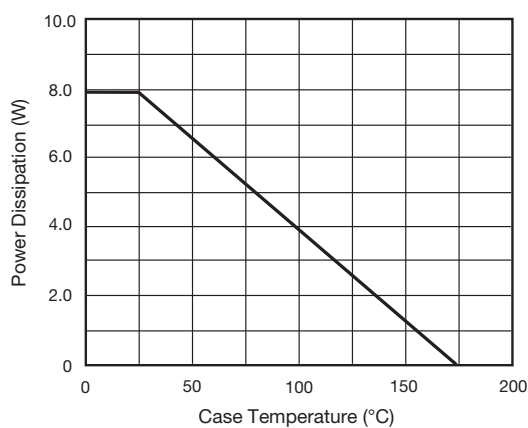
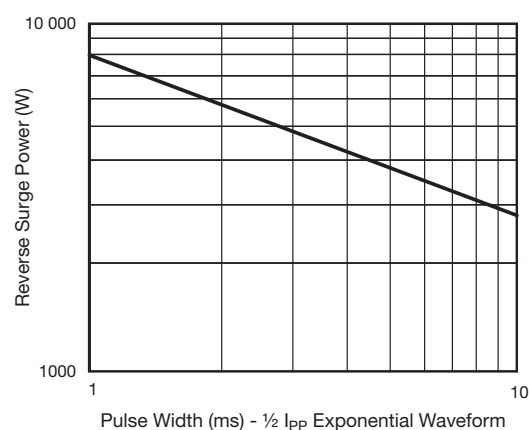


Fig. 1 - Power Derating Curve



Ffig. 2 -Reverse Power Capability

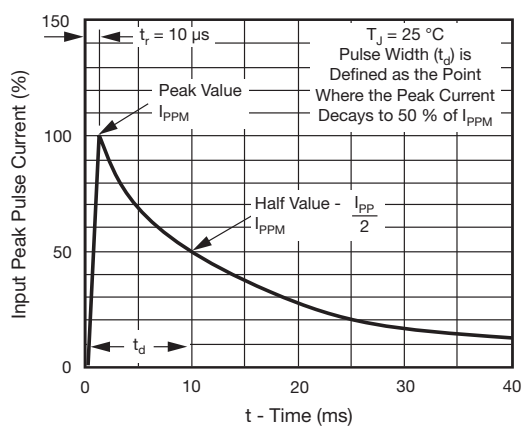
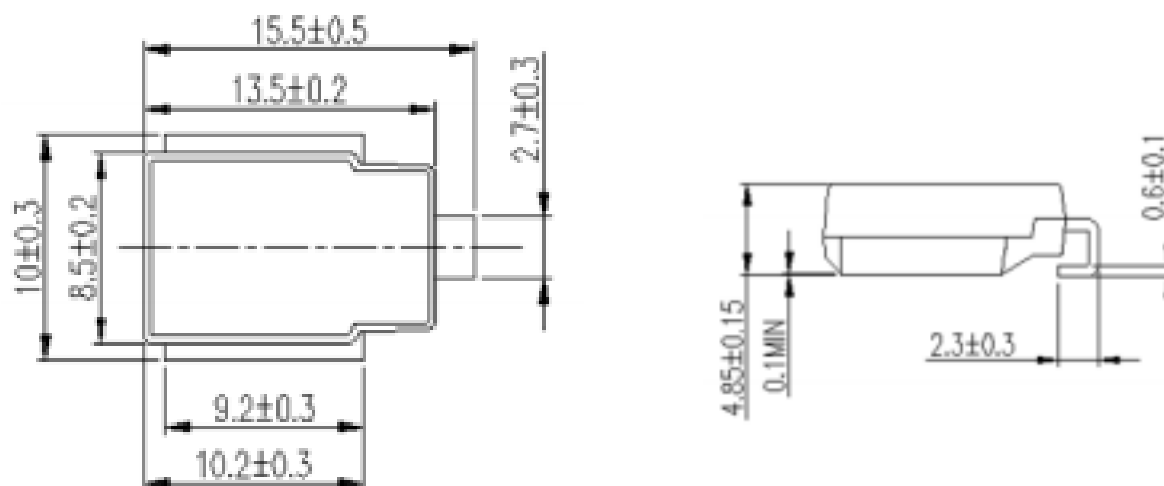


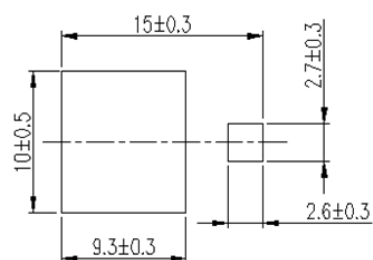
Fig. 3 - Pulse Waveform

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PACKAGE OUTLINE DIMENSIONS in inches (millimeters)



Recommended Mounting Pad Layout Unit:mm



Order information

Device	Package	Shipping
SM8S80J26V	DO-218AB	750