SDA384

PRELIMINARY DATA

SOLID STATE DEVICES, INC
14849 Firestone Boulevard · La Mirada,CA 90638
Phone: (714) 670-SSDI (7734) · Fax: (714) 522-7424

Designer's Data Sheet

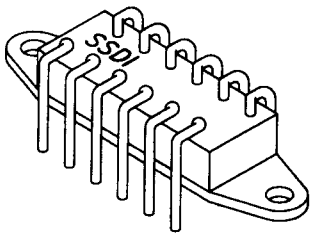
2,600 WATTS PEAK PULSE POWER 12.7 VOLTS BI-DIRECTIONAL TRANSIENT VOLTAGE SUPPRESSOR

FEATURES:

- Low profile and small package
- Bi-directional
- Excellent clamping capability
- Peak pulse power: 2.6 KW (70µs)
- Clamping Voltage: 17 V pk @ 150 A pk (70µs)
- Higher Voltages available upon request

APPLICATIONS:

- Protection of Voltage Sensitive Components
- Protection Against Power Interruption
- Lightning Protection

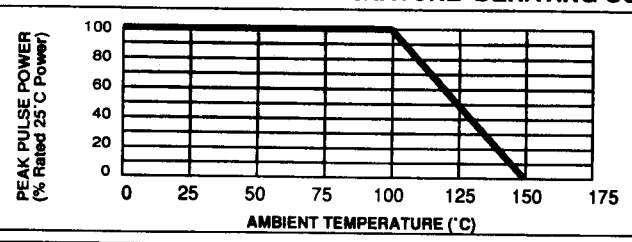


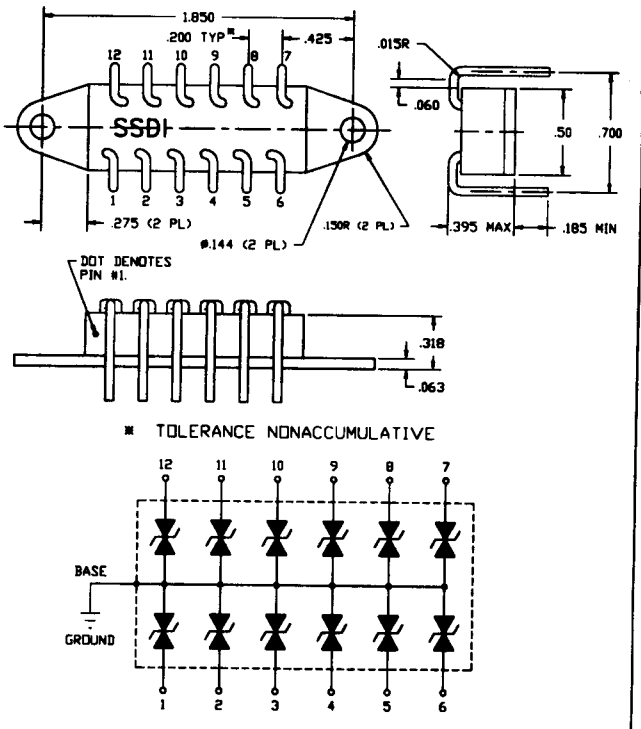
MAXIMUM RATINGS

CHARACTERISTICS	SYMBOL	VALUE	UNITS
Stand Off Voltage	V_{RWM}	10	V
Steady State Power Dissipation	P_D	10	W
Peak Pulse Power @ 1.0 msec	P_{PP}	2,600	W
Operating and Storage Temperature		-65°C to +175°C	

Breakdown Testing Current	I_{BRT}	100	mA
Nominal Breakdown Voltage @ IBRT	V_{BR}	12.7	V
Max Leakage Current @ VRWM	I_R	5	mA
Peak Pulse Current	I_{PP}	150	A
Max Clamping Voltage @ IPP	V_C	17	V
Max Continuous Current	I_{RM}	770	mA
Dynamic Impedance @ IBRT	Z_{BR}	1.8	W
Max Junction Capacitance	C_J	900	pF

PEAK PULSE POWER VS. TEMPERATURE DERATING CURVE





Package shown is standard configuration. SSDI can custom design your module with terminals that meet your unique design criteria. Additionally, SSDI can package these devices with an irregular footprint or offset mounting positions. This data sheet is meant to serve as an example of SSDI's Transient Protection Module Capabilities. For custom configurations, please contact SSDI's Marketing

NOTE: All specifications are subject to change without notification. SCD's for these devices should be reviewed by SSDI prior to release.

DATA SHEET #: T00003 A | **RMD**