

POWER BUS VOLTAGE SUPPRESSOR

APPLICATIONS

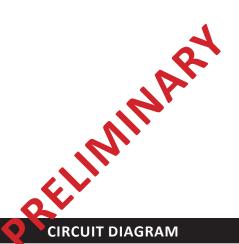
• Power Protection

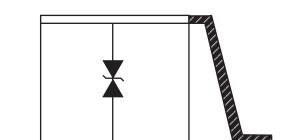
FEATURES

- 2250 kilowatts Peak Pulse Power per Line (tp = 8/20μs)
- 78 Volts Bidirectional
- 15kA (8/20µs)
- RoHS Compliant (Exemption 7A High Power Device)

MECHANICAL CHARACTERISTICS

- Black Molded Shell
- Lead-Free Silver Plating
- Approximate Weight: 11 grams
- Flammability Rating UL 94V-0





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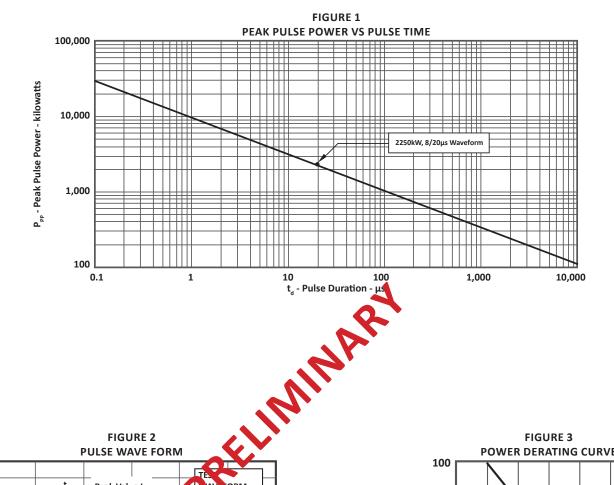
TYPICAL DEVICE CHARACTERISTICS

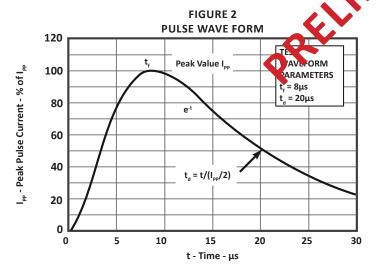
MAXIMUM RATINGS @ 25°C Unless Otherwise Specified					
PARAMETER	SYMBOL	VALUE	UNITS		
Peak Pulse Power (tp=8/20μs)	P _{pp}	2250	kilowatts		
Operating Temperature	T _L	TBD	°C		
Storage Temperature	T _{stg}	TBD	°C		
Peak Pulse Current (tp=8/20μs)	I _{PP MAX}	15	kA		

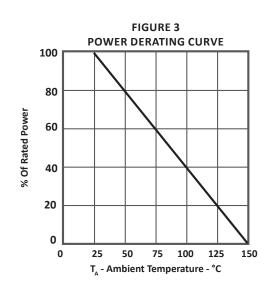
ELECTRICAL CHARACTERISTICS PER LINE @ 25°C Unless Otherwise Specified					
PART NUMBER	RATED STAND-OFF VOLTAGE	MINIMUM BREAKDOWN VOLTAGE	MAXIMUM CLAMPING VOLTAGE (Fig. 2)	MAXIMUM LEAKAGE CURRENT	PEAK PULSE CURRENT (FIG. 2)
	V _{wm} VOLTS	@5mA V _(BR) VOLTS	@I _{pp} V _c VOLTS	@V _{wм} Ι _D μΑ	I _{PPM} kAMPS
2700SM78CA	78	86	150	10	15
		PRELIF			

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TYPICAL DEVICE CHARACTERISTICS







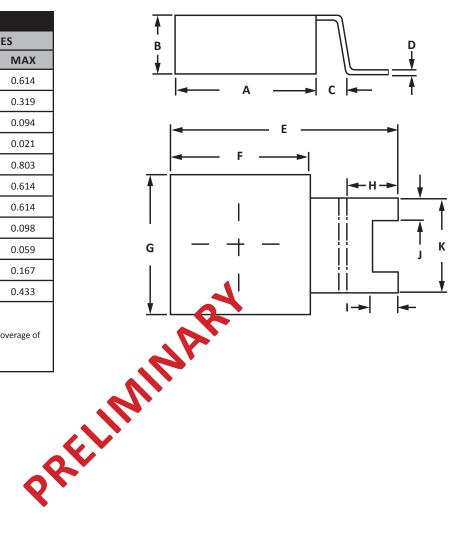
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PACKAGE INFORMATION

OUTLINE DIMENSIONS				
DIM	MILLIMETERS		INCHES	
DIM	MIN	MAX	MIN	MAX
Α	14.4	15.6	0.567	0.614
В	6.9	8.1	0.212	0.319
С	1.8	2.4	0.071	0.094
D	0.48	0.54	0.019	0.021
Е	19.3	20.4	0.76	0.803
F	14.4	15.6	0.567	0.614
G	14.4	15.6	0.567	0.614
Н	1.9	2.5	0.075	0.098
I	0.9	1.5	0.040	0.059
J	3.65	4.25	0.144	0.167
К	10.4	11.0	0.409	0.433

NOTES

- 1. Controlling dimensions in millimeters.
- 2. Recommended that customer applies maximum 80% coverage of solder between disc and the solder pad.
- 3. Dimension "C" is reference.



ORDERING INFORMATION	
PART NUMBER	MARKING
2700SM78CA	Logo, Date Code and Part Number

COMPANY INFORMATION

COMPANY PROFILE

ProTek Devices, based in Tempe, Arizona USA, is a manufacturer of Transient Voltage Suppression (TVS) products designed specifically for the protection of electronic systems from the effects of lightning, Electrostatic Discharge (ESD), Nuclear Electromagnetic Pulse (NEMP), inductive switching and EMI/RFI. With over 25 years of engineering and manufacturing experience, ProTek designs TVS devices that provide application specific protection solutions for all electronic equipment/systems.

ProTek Devices Analog Products Division, also manufactures analog interface, control, RF and power management products.

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