



**DEVICE CHARACTERISTICS**

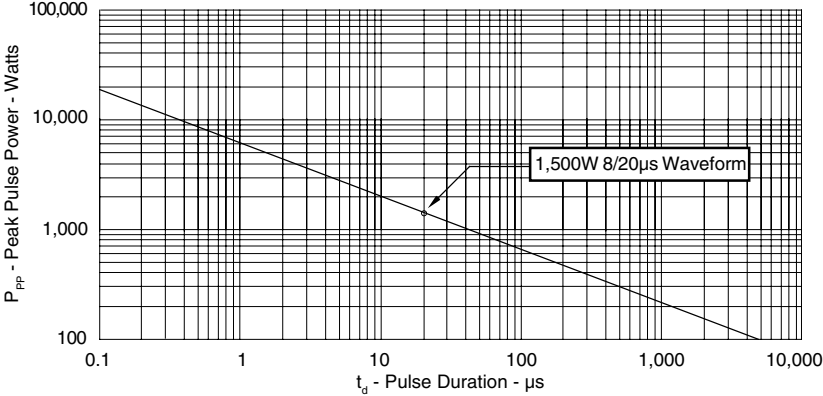
MAXIMUM RATINGS @ 25°C Unless Otherwise Specified			
PARAMETER	SYMBOL	VALUE	UNITS
Peak Pulse Power ( $t_p = 8/20\mu s$ ) - See Figure 1	$P_{PP}$	1500	Watts
Operating Temperature	$T_J$	-55°C to 150°C	°C
Storage Temperature	$T_{STG}$	-55°C to 150°C	°C

ELECTRICAL CHARACTERISTICS PER LINE @ 25°C Unless Otherwise Specified						
PART NUMBER (See Note 1)	RATED STAND-OFF VOLTAGE  $V_{WM}$ VOLTS	MINIMUM BREAKDOWN VOLTAGE  @ 1mA $V_{(BR)}$ VOLTS	MAXIMUM CLAMPING VOLTAGE (See Fig. 2)  @ $I_{PP} = 10A$ $V_C$ VOLTS	MAXIMUM CLAMPING VOLTAGE (See Fig. 2)  @ $I_{PP} = 25A$ $V_C$ VOLTS	MAXIMUM LEAKAGE CURRENT  @ $V_{WM}$ $I_D$ $\mu A$	MAXIMUM CAPACITANCE  @ $V_{WM}$ , 1 MHz $C$ pF
SM20MT05C	5.0	6.5	9.5	11.0	50	700
SM20MT08C	8.0	10.0	13.0	17.0	10	360
SM20MT15C	15.0	18.0	23.0	26.0	4	250
SM20MT24C	24.0	25.0	31.0	36.0	4	140

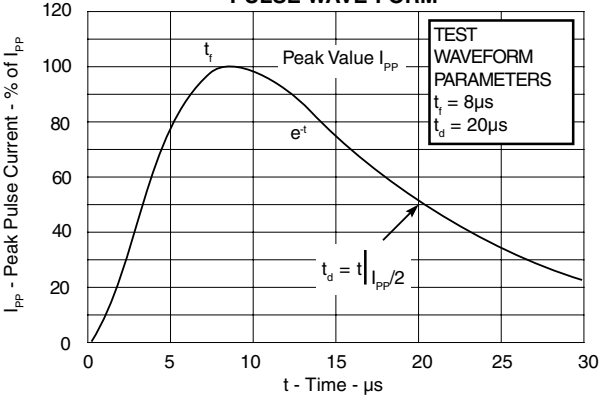
**Note 1:** These devices are bidirectional only. Electrical characteristics apply in both directions. The monolithic TVS array is based on 10 unidirectional P/N junctions with a common cathode and can be configured to offer 8 to 9 bidirectional lines of protection. The inputs are symmetrical and can be reversed for specific application layout requirements.

GRAPHS

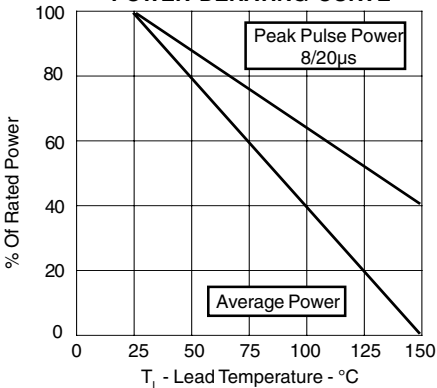
**FIGURE 1  
 PEAK PULSE POWER VS PULSE TIME**



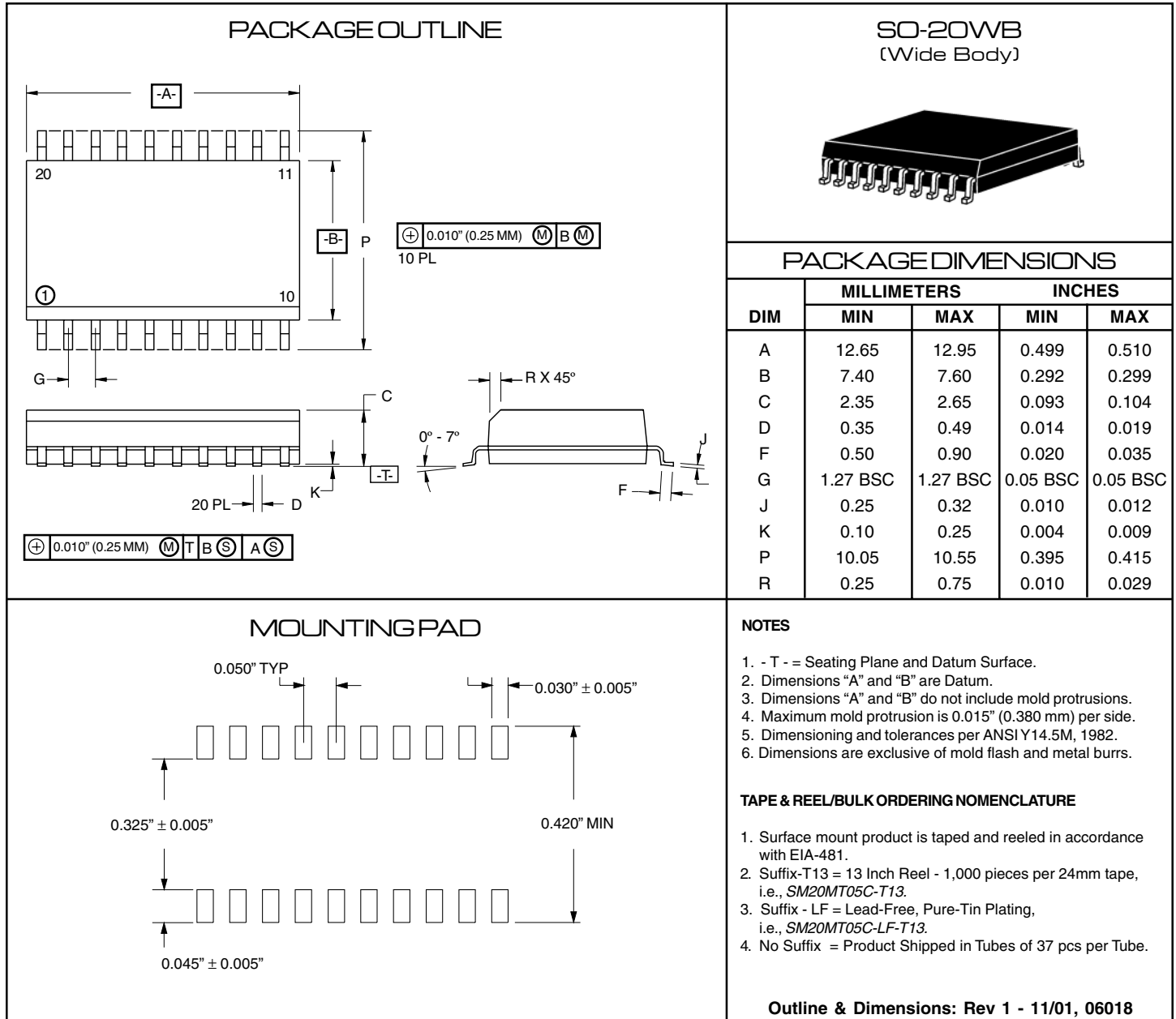
**FIGURE 2  
 PULSE WAVE FORM**



**FIGURE 3  
 POWER DERATING CURVE**



## PACKAGE OUTLINE & DIMENSIONS



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**ProTek Devices**  
 2929 South Fair Lane, Tempe, AZ 85282  
 Tel: 602-431-8101 Fax: 602-431-2288  
 E-Mail: [sales@protekdevices.com](mailto:sales@protekdevices.com)  
 Web Site: [www.protekdevices.com](http://www.protekdevices.com)