

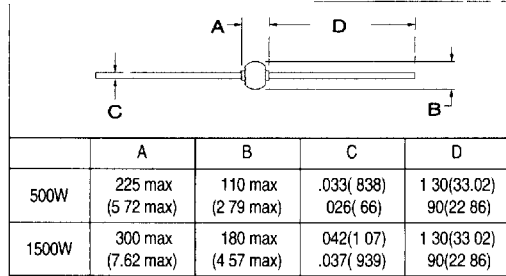
UNIDIRECTIONAL TRANSIENT VOLTAGE SUPPRESSORS

500W and 1500W Peak Pulse Power • 1N6461-1N6468 • 1N6469 -1N6476

VOLTAGE MULTIPLIERS INC

VMI transient voltage suppressors provide voltage surge protection for your critical circuits.

- Miniature hermetically sealed glass package.
- 5.0 to 51.6 volts.
- 500W or 1500W transient capability for 1ms.
- Operating Temperature: -65°C to +175°C
- Storage Temperature: -65°C to +200°C



ELECTRICAL CHARACTERISTICS AND MAXIMUM RATINGS

JEDEC NUMBER	Reverse Stand-off Voltage Vr Volts	Breakdown Voltage BV		Maximum Reverse Leakage @ Vr Ir (µA)	Maximum Clamping Voltage @ Ipp Vc Volts	Maximum Peak Pulse Current Ipp Amps	Maximum Voltage Temperature Variation of BV %/°C	
		Volts Min.	I _{BR} (mA)					
500W	1N6461	5.0	5.6	25	300	9.0	56	0.04
	1N6462	6.0	6.5	20	250	11.0	46	0.04
	1N6463	12.0	13.6	5	100	22.6	22	0.05
	1N6464	15.0	16.4	5	100	26.5	19	0.06
	1N6465	24.0	27.0	2	50	41.4	12	.084
	1N6466	30.5	33.0	1	3	47.5	11	.093
	1N6467	40.3	43.7	1	2	63.5	8	.094
	1N6468	51.6	54.0	1	2	78.5	6	.096
1500	1N6469	5.0	5.6	50	300	9.0	167	0.04
	1N6470	6.0	6.5	50	250	11.0	137	0.04
	1N6471	12.0	13.6	10	100	22.6	66	0.05
	1N6472	15.0	16.4	10	100	26.5	57	0.06
	1N6473	24.0	27.0	5	50	41.4	36.5	.084
	1N6474	30.5	33.0	1	5	47.5	32	.093
	1N6475	40.3	43.7	1	5	63.5	24	.094
	1N6476	51.6	54.0	1	5	78.5	19	.096

Dimensions:In.(mm) • All temperatures are ambient unless otherwise noted. • Data subject to change without notice.



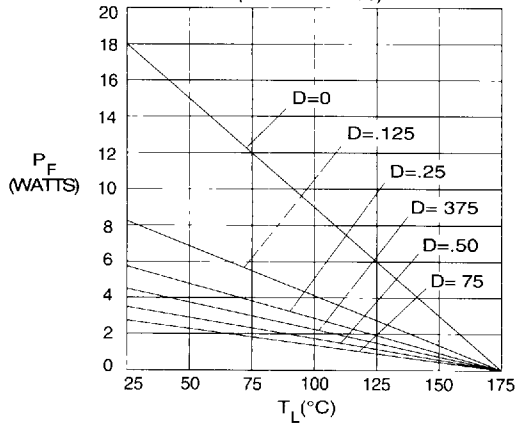
VOLTAGE MULTIPLIERS INC.
8711 W. Roosevelt Ave.
Visalia, CA., 93291

Tel. 209-651-1402
Telex 530484
Fax 209-651-0740

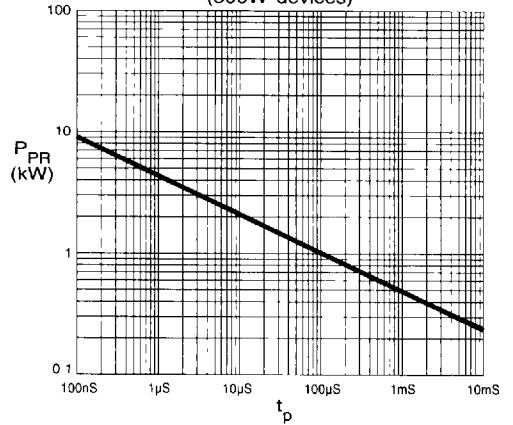
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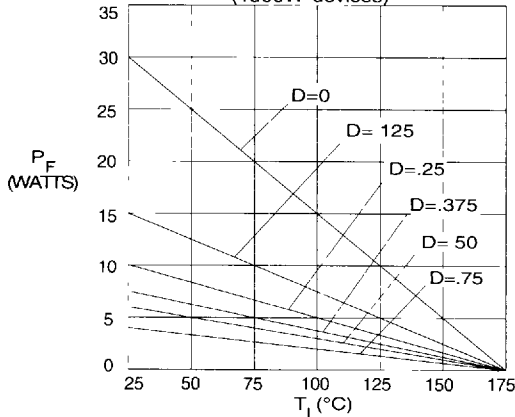
MAXIMUM POWER VS. LEAD TEMPERATURE
(500W devices)



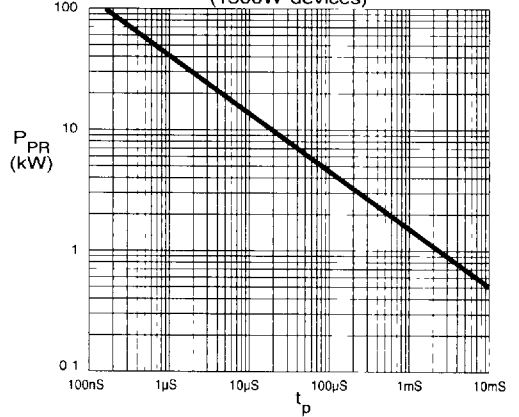
PEAK PULSE POWER VS. PULSE TIME
(500W devices)



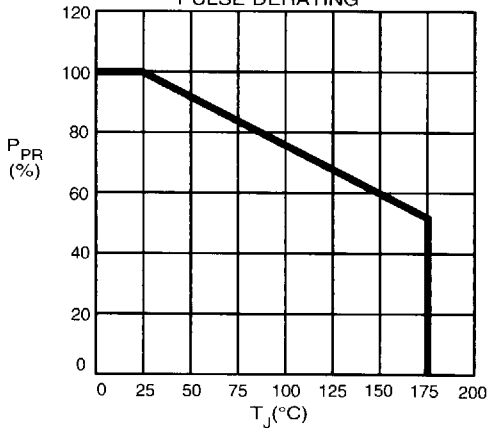
MAXIMUM POWER VS. LEAD TEMPERATURE
(1500W devices)



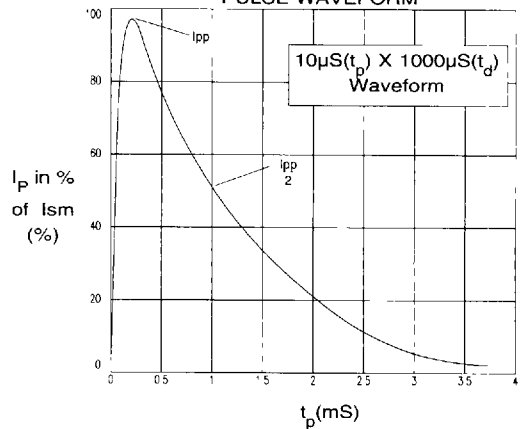
PEAK PULSE POWER VS. PULSE TIME
(1500W devices)



PULSE DERATING



PULSE WAVEFORM



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