

ELECTRICAL CHARACTERISTICS

TYPE	BREAK DOWN VOLTAGE V_{BR} MIN.	BREAKDOWN CURRENT I_{BR}	WORKING PEAK VOLTAGE V_{WM}	MAX LEAKAGE CURRENT I_D	MAXIMUM CLAMPING VOLTAGE V_C @ 10/1000 μs	MAXIMUM PEAK PULSE CURRENT I_{PP}		MAXIMUM TEMP. COEF. OF V_{BR}
						@8/20 μs	@10/1000 μs	
	Volts	mAdc	Vdc	μ Adc	V(pk)	A(pk)	A(pk)	%/°C
1N6461	5.6	25	5	3000	9.0	315	56	-.03, +0.04
1N6462	6.5	20	6	2500	11.0	258	46	0.06
1N6463	13.6	5	12	500	22.6	125	22	0.085
1N6464	16.4	5	15	500	26.5	107	19	0.085
1N6465	27.0	2	24	50	41.4	69	12	.096
1N6466	33.0	1	30.5	3	47.5	63	11	.098
1N6467	43.7	1	40.3	2	63.5	45	8	.101
1N6468	54.0	1	51.6	2	78.5	35	6	.103

SYMBOLS & DEFINITIONS

Symbol	Definition
V_{BR}	Minimum Breakdown Voltage: The minimum voltage the device will exhibit at a specified current.
V_{WM}	Working Peak Voltage: The maximum peak voltage that can be applied over the operating temperature range. This is also referred to as Standoff Voltage.
I_D	Maximum Standoff Current: The maximum current that will flow at the specified voltage and temperature.
V_C	Maximum clamping voltage at specified I_{PP} (Peak Pulse Current) at the specified pulse conditions.
P_{PP}	Peak Pulse Power: The peak power dissipation resulting from the peak impulse current I_{PP} .

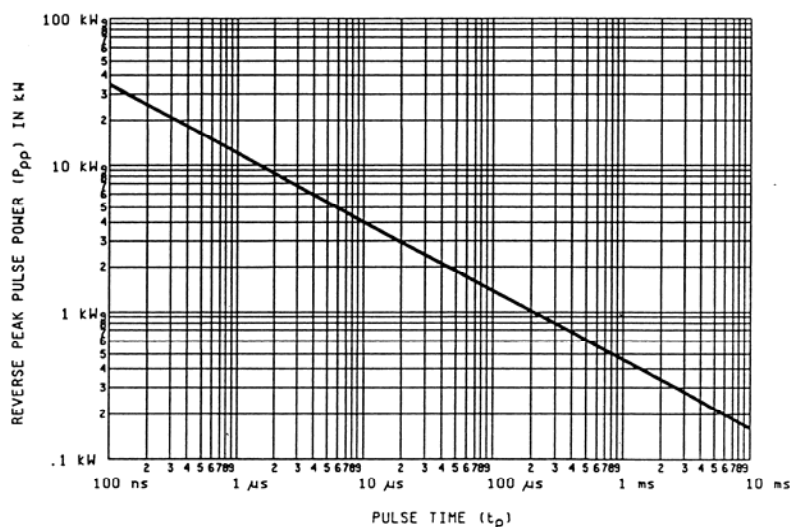
GRAPHS


FIGURE 1
PEAK PULSE POWER vs. PULSE TIME

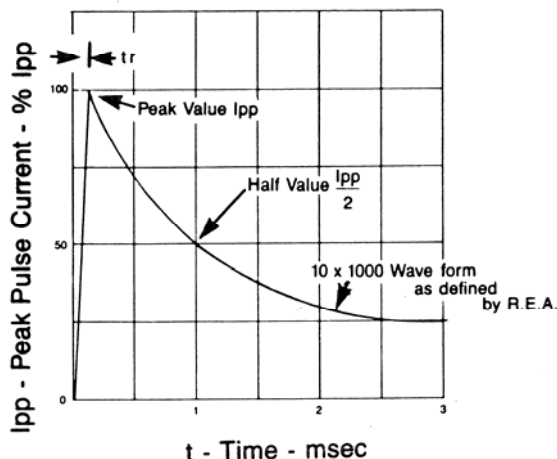


FIGURE 2
10/1000 μs CURRENT IMPULSE WAVEFORM

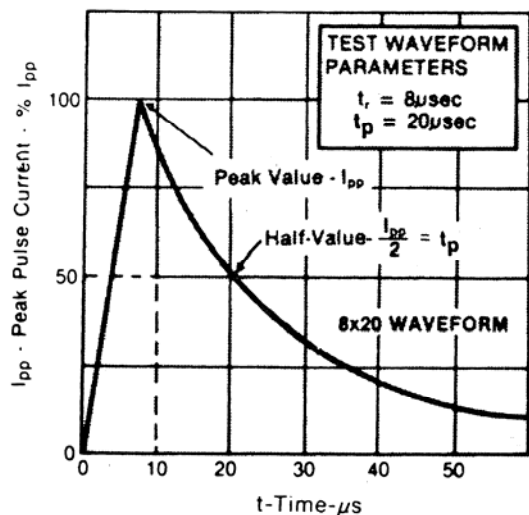


FIGURE 3
8/20 μs CURRENT IMPULSE WAVEFORM
(per MIL-PRF-19500/551)

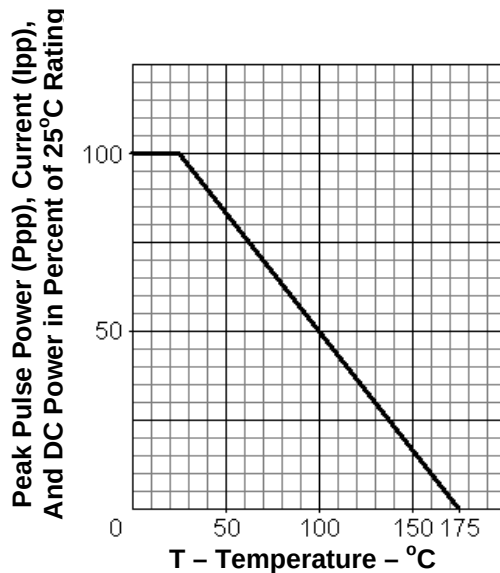
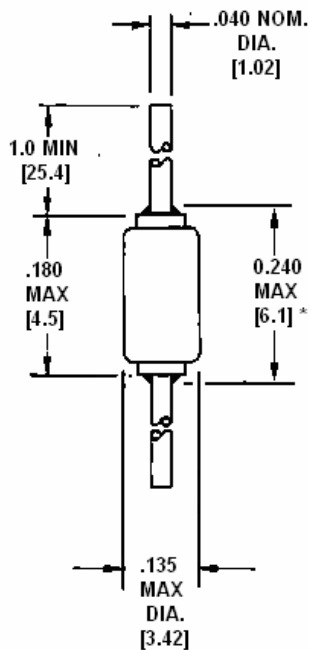


FIGURE 4
DERATING CURVE

PACKAGE DIMENSIONS Inches [mm]



Lead Tolerance = + .002 -.003 in
*Includes sections of the lead or fillet over which the lead diameter is uncontrolled.