

POWER DISCRETES
Electrical Characteristics

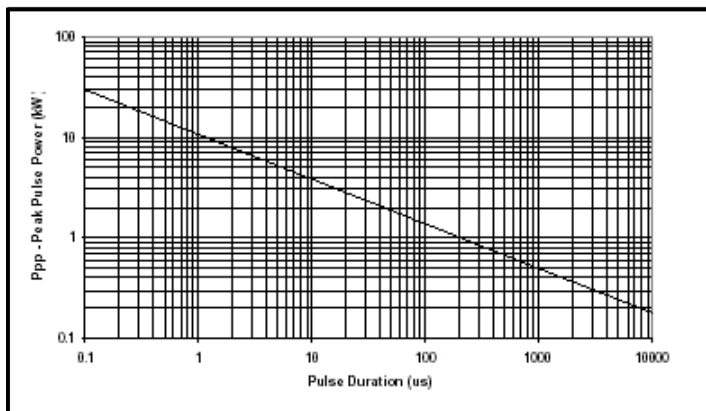
Electrical specifications @ $T_A = 25^\circ\text{C}$ unless otherwise specified.

Device Type	Reverse Standoff Voltage V_{RWM}	Reverse Leakage Current I_R	Minimum Breakdown Voltage $V_{BR} @ I_T$	Test Current I_T	Maximum Clamping Voltage $V_C @ I_{PP}$	Peak Pulse Current I_{PP} $T_P = 1\text{mS}$	Peak Pulse Current I_{PP} $T_P = 20\mu\text{S}$	Temp. Coef. of V_{BR} αV_Z
	V	μA	V	mA	V	A	A	%/°C
1N6461US	5	3000	5.6	25	9.0	56	315	0.040
1N6462US	6	2500	6.5	20	11.0	46	258	0.040
1N6463US	12	500	13.6	5	22.6	22	125	0.050
1N6464US	15	500	16.4	5	26.5	19	107	0.060
1N6465US	24	50	27.0	2	41.4	12	69	0.084
1N6466US	30.5	3	33.0	1	47.5	11	63	0.093
1N6467US	40.3	2	43.7	1	63.5	8	45	0.094
1N6468US	51.6	2	54.0	1	78.5	6	35	0.096

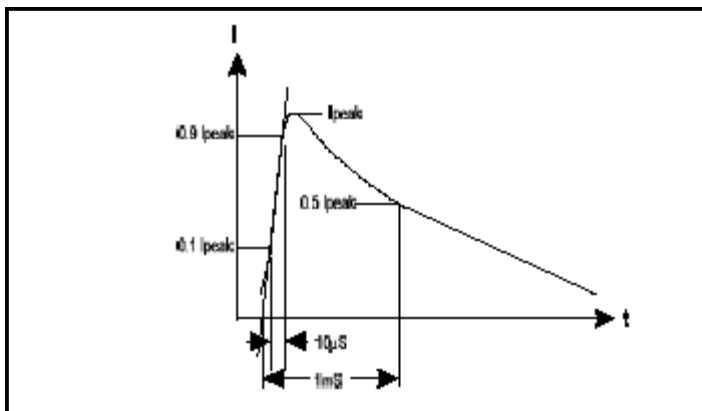
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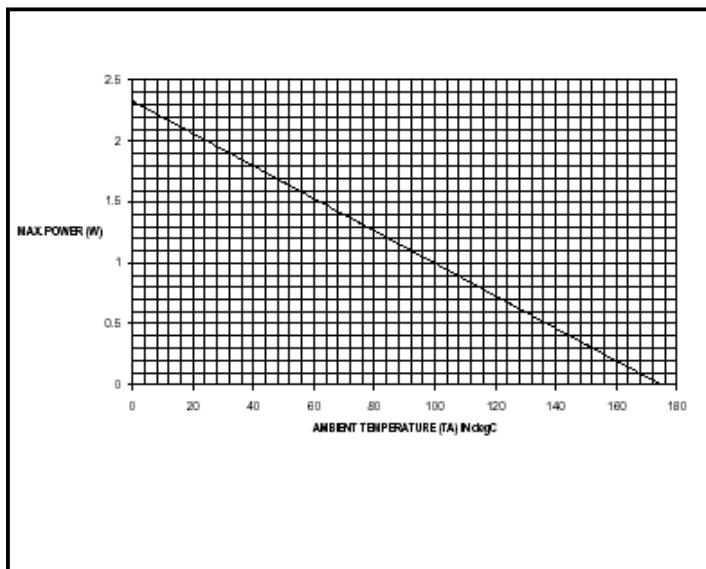
PEAK PULSE POWER vs. PULSE TIME



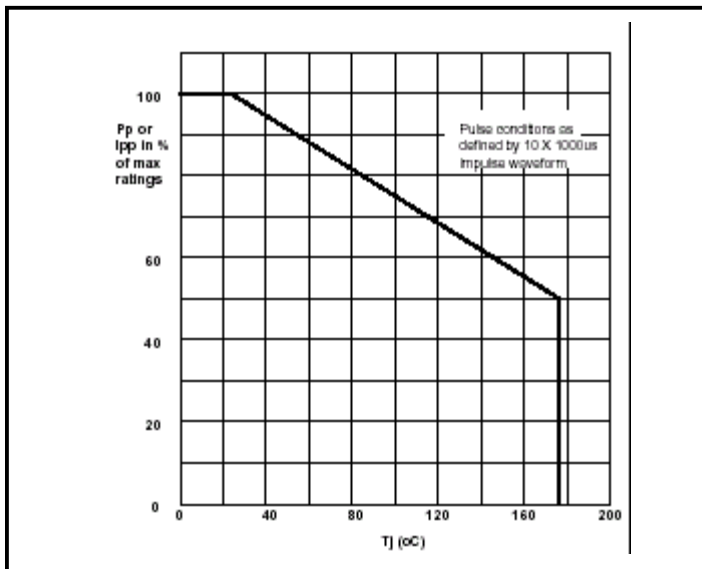
10 x 1000μs IMPULSE WAVEFORM



STEADY STATE DERATING CHARACTERISTICS
FOR FREE AIR MOUNTING



PULSE DERATING CURVE



POWER DISCRETES

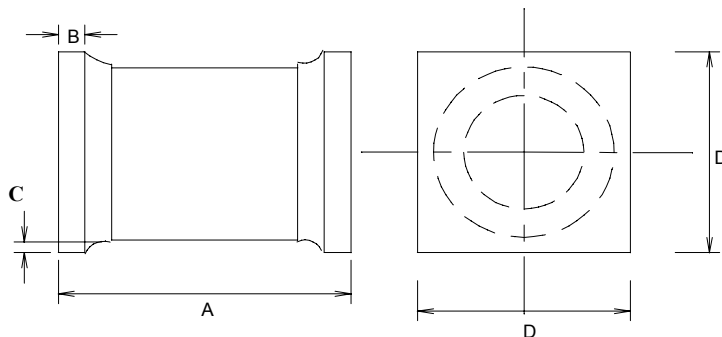
Ordering Information

Part Number	Description
1N6461US, 1N6462US, 1N6463US, 1N6464US, 1N6465US, 1N6466US, 1N6467US, 1N6468US	Surface Mount (US) ⁽¹⁾

Note:

(1) Available in trays and tape and reel packaging. Please consult factory for quantities.

Outline Drawing



	Dimensions			
	1N6461US - 1N6468US			
	Inches		Millimeters	
	MIN	MAX	MIN	MAX
A	0.200	0.225	5.08	5.72
B	0.019	0.028	0.48	0.71
C	0.003	-	0.08	-
D	0.137	0.148	3.48	3.76

Notes:

(1) Dimensions are in inches.

(2) Metric equivalents are given for general information only.

Contact Information

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