

**ELECTRICAL SPECIFICATIONS** ( $T_A = 25^\circ\text{C}$  unless otherwise noted)

JEDEC type number	Uni-directional Bi-directional (C) Device	Breakdown voltage $V_{BR}@I_T$ (V)		Test current $I_T$ (mA)	Reverse stand-Off voltage $V_{RWM}$ (V)	Reverse leakage current at $V_{RWM}$ $I_R$ ( $\mu\text{A}$ ) <sup>(1)</sup>	Peak pulse current $I_{PPM}$ (A)	Clamping voltage at $I_{PPM}$ $V_C$ (V)
		Min	Max					
1N6267	1V5KE6V8(C)A	6.45	7.14	10	5.80	1000	143	10.5
1N6268	1V5KE7V5(C)A	7.13	7.88	10	6.40	500	133	11.3
1N6269	1V5KE8V2(C)A	7.79	8.61	10	7.02	200	124	12.1
1N6270	1V5KE9V1(C)A	8.65	9.55	1	7.78	50	112	13.4
1N6271	1V5KE10(C)A	9.5	10.5	1	8.55	10	103	14.5
1N6272	1V5KE11(C)A	10.5	11.6	1	9.40	5	96.2	15.6
1N6273	1V5KE12(C)A	11.4	12.6	1	10.2	5	90.0	16.7
1N6274	1V5KE13(C)A	12.4	13.7	1	11.1	5	82.0	18.2
1N6275	1V5KE15(C)A	14.3	15.8	1	12.8	5	71.0	21.2
1N6276	1V5KE16(C)A	15.2	16.8	1	13.6	5	67.0	22.5
1N6277	1V5KE18(C)A	17.1	18.9	1	15.3	5	59.5	26.2
1N6278	1V5KE20(C)A	19.0	21.0	1	17.1	5	54.2	27.7
1N6279	1V5KE22(C)A	20.9	23.1	1	18.8	5	49.0	30.6
1N6280	1V5KE24(C)A	22.8	25.2	1	20.5	5	45.2	33.2
1N6281	1V5KE27(C)A	25.7	28.4	1	23.1	5	40.0	37.5
1N6282	1V5KE30(C)A	28.5	31.5	1	25.6	5	36.2	41.4
1N6283	1V5KE33(C)A	31.4	34.7	1	28.2	5	33.0	45.7
1N6284	1V5KE36(C)A	34.2	37.8	1	30.8	5	30.1	49.9
1N6285	1V5KE39(C)A	37.1	41	1	33.3	5	28.0	53.9
1N6286	1V5KE43(C)A	40.9	45.2	1	36.8	5	25.3	59.3
1N6287	1V5KE47(C)A	44.7	49.4	1	40.2	5	23.2	64.8
1N6288	1V5KE51(C)A	48.5	53.6	1	43.6	5	21.4	70.1
1N6289	1V5KE56(C)A	53.2	58.8	1	47.8	5	19.5	77.0
1N6290	1V5KE62(C)A	58.9	65.1	1	53.0	5	17.7	85.0
1N6291	1V5KE68(C)A	64.6	71.4	1	58.1	5	16.3	92.0
1N6292	1V5KE75(C)A	71.3	78.8	1	64.1	5	14.6	104
1N6293	1V5KE82(C)A	77.9	86.1	1	70.1	5	13.3	113
1N6294	1V5KE91(C)A	86.5	95.5	1	77.8	5	12.0	125
1N6295	1V5KE100(C)A	95	105	1	85.5	5	11.0	137
1N6296	1V5KE110(C)A	106	116	1	94.0	5	9.9	152
1N6297	1V5KE120(C)A	114	126	1	102	5	9.1	165
1N6298	1V5KE130(C)A	124	137	1	111	5	8.4	179
1N6299	1V5KE150(C)A	143	158	1	128	5	7.2	207
1N6300	1V5KE160(C)A	152	168	1	136	5	6.8	219
1N6301	1V5KE170(C)A	162	179	1	145	5	6.4	234
1N6302	1V5KE180(C)A	171	189	1	154	5	6.1	246
1N6303	1V5KE200(C)A	190	210	1	171	5	5.5	274
	1V5KE220(C)A	209	231	1	185	5	4.6	328
	1V5KE250(C)A	237	263	1	214	5	4.5	344
	1V5KE300(C)A	285	315	1	256	5	3.8	414
	1V5KE350(C)A	333	368	1	300	5	3.2	482
	1V5KE400(C)A	380	420	1	342	5	2.8	548
	1V5KE440(C)A	418	462	1	376	5	2.6	602

**Notes:**

- For bipolar types having  $V_{WM}$  of 10 volts and under, the  $I_D$  limit is doubled.

<b>ORDERING INFORMATION</b>		
<b>ORDERING CODE<sup>(1)</sup></b>	<b>PACKAGE</b>	<b>PACKING</b>
1V5KE $x$	DO-201	1,250 / Tape & Reel
1V5KE $x$ A0G	DO-201	500 / Ammo box

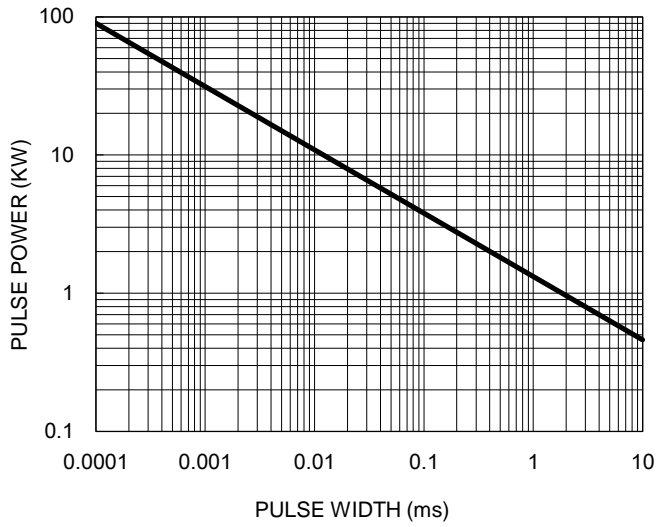
**Notes:**

- "x" defines voltage from 6.8V(1V5KE6V8A) to 440V(1V5KE440A)

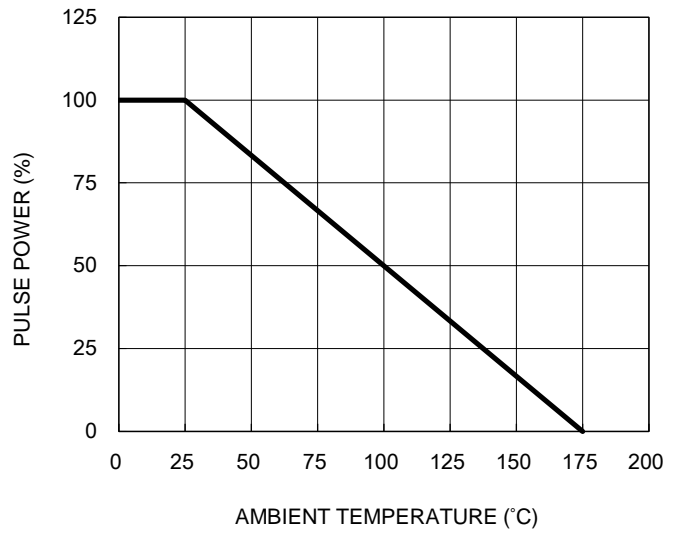
**CHARACTERISTICS CURVES**

( $T_A = 25^\circ\text{C}$  unless otherwise noted)

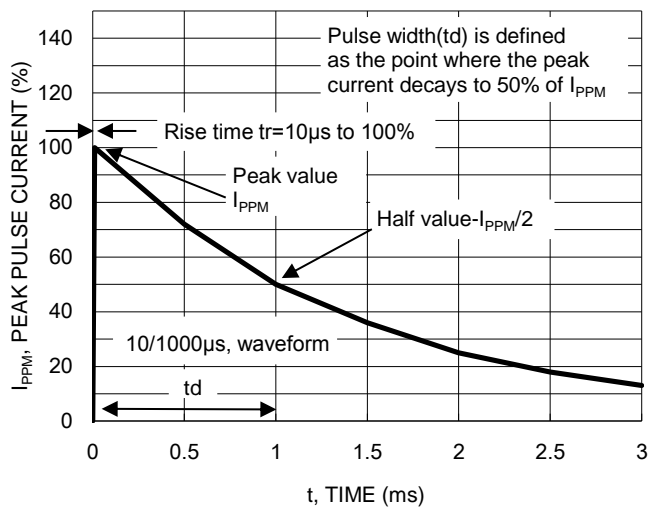
**Fig1. Peak Pulse Power Rating Curve**



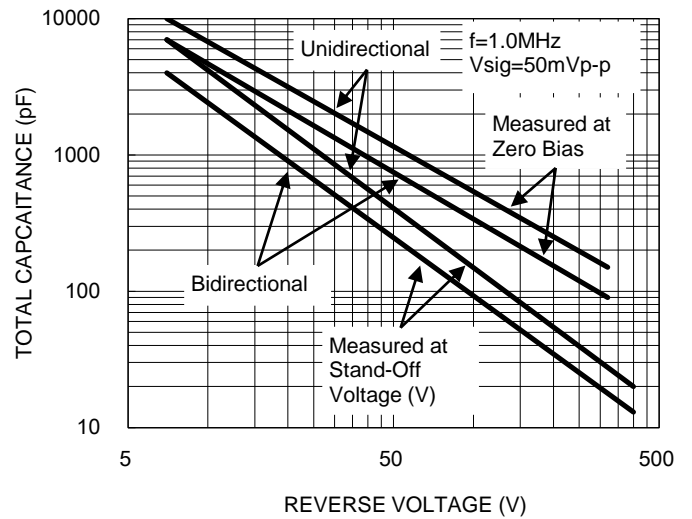
**Fig2. Pulse Derating Curve**



**Fig3. Pulse Waveform**



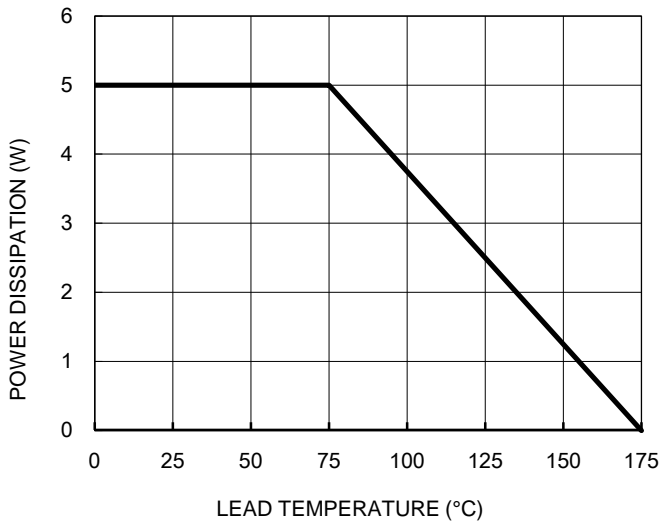
**Fig4. Total Capacitance**



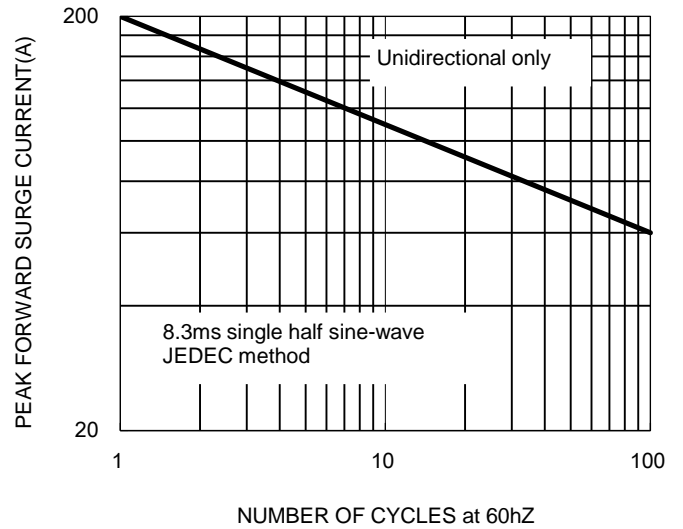
**CHARACTERISTICS CURVES**

(T<sub>A</sub> = 25°C unless otherwise noted)

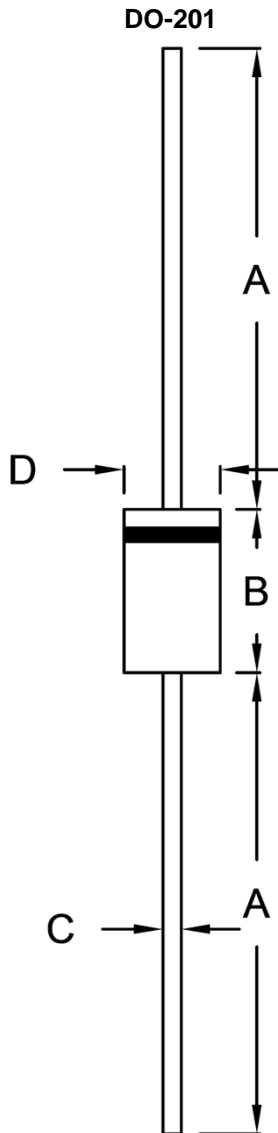
**Fig.5 Steady State Power Derating Curve**



**Fig.6 Non-Repetitive Surge Current**



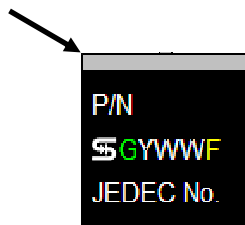
**PACKAGE OUTLINE DIMENSIONS**



DIM.	Unit (mm)		Unit (inch)	
	Min.	Max.	Min.	Max.
A	25.40	-	1.000	-
B	8.50	9.50	0.335	0.374
C	0.96	1.06	0.038	0.042
D	5.00	5.60	0.197	0.220

**MARKING DIAGRAM**

Cathode band for uni-directional products only



- P/N = Marking Code
- G = Green Compound
- YWW = Date Code
- F = Factory Code

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