

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

Uni-directional Bi-directional (C) Device	Reverse Stand-Off Voltage $V_{RWM}$ (V)	Breakdown Voltage $V_{BR}$ (V)		Test Current $I_T$ (mA)	Clamping Voltage at $I_{PPM}$ $V_C$ (V)	Peak Pulse Current $I_{PPM}$ (A)	Reverse Leakage Current at $V_{RWM}$ $I_R$ ( $\mu\text{A}$ ) <sup>(2)</sup>
		Min.	Max.				
1V5KE6V8(C)A	5.80	6.45	7.14	10	10.5	143	1000
1V5KE7V5(C)A	6.40	7.13	7.88	10	11.3	133	500
1V5KE8V2(C)A	7.02	7.79	8.61	10	12.1	124	200
1V5KE9V1(C)A	7.78	8.65	9.55	1	13.4	112	50
1V5KE10(C)A	8.55	9.5	10.5	1	14.5	103	10
1V5KE11(C)A	9.40	10.5	11.6	1	15.6	96.2	5
1V5KE12(C)A	10.2	11.4	12.6	1	16.7	90.0	5
1V5KE13(C)A	11.1	12.4	13.7	1	18.2	82.0	5
1V5KE15(C)A	12.8	14.3	15.8	1	21.2	71.0	5
1V5KE16(C)A	13.6	15.2	16.8	1	22.5	67.0	5
1V5KE18(C)A	15.3	17.1	18.9	1	26.2	59.5	5
1V5KE20(C)A	17.1	19.0	21.0	1	27.7	54.2	5
1V5KE22(C)A	18.8	20.9	23.1	1	30.6	49.0	5
1V5KE24(C)A	20.5	22.8	25.2	1	33.2	45.2	5
1V5KE27(C)A	23.1	25.7	28.4	1	37.5	40.0	5
1V5KE30(C)A	25.6	28.5	31.5	1	41.4	36.2	5
1V5KE33(C)A	28.2	31.4	34.7	1	45.7	33.0	5
1V5KE36(C)A	30.8	34.2	37.8	1	49.9	30.1	5
1V5KE39(C)A	33.3	37.1	41	1	53.9	28.0	5
1V5KE43(C)A	36.8	40.9	45.2	1	59.3	25.3	5
1V5KE47(C)A	40.2	44.7	49.4	1	64.8	23.2	5
1V5KE51(C)A	43.6	48.5	53.6	1	70.1	21.4	5
1V5KE56(C)A	47.8	53.2	58.8	1	77.0	19.5	5
1VKE62(C)A	53.0	58.9	65.1	1	85.0	17.7	5
1V5KE68(C)A	58.1	64.6	71.4	1	92.0	16.3	5
1V5KE75(C)A	64.1	71.3	78.8	1	104	14.6	5
1V5KE82(C)A	70.1	77.9	86.1	1	113	13.3	5
1V5KE91(C)A	77.8	86.5	95.5	1	125	12.0	5
1V5KE100(C)A	85.5	95	105	1	137	11.0	5
1V5KE110(C)A	94.0	106	116	1	152	9.9	5
1V5KE120(C)A	102	114	126	1	165	9.1	5
1V5KE130(C)A	111	124	137	1	179	8.4	5
1V5KE150(C)A	128	143	158	1	207	7.2	5
1V5KE160(C)A	136	152	168	1	219	6.8	5

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		Min.	Max.				
1V5KE170(C)A	145	162	179	1	234	6.4	5
1V5KE180(C)A	154	171	189	1	246	6.1	5
1V5KE200(C)A	171	190	210	1	274	5.5	5
1V5KE220(C)A	185	209	231	1	328	4.6	5
1V5KE250(C)A	214	237	263	1	344	4.5	5
1V5KE300(C)A	256	285	315	1	414	3.8	5
1V5KE350(C)A	300	333	368	1	482	3.2	5
1V5KE400(C)A	342	380	420	1	548	2.8	5
1V5KE440(C)A	376	418	462	1	602	2.6	5

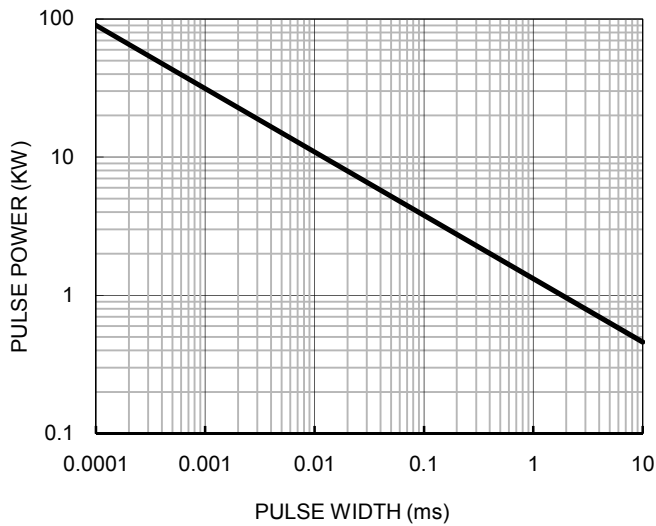
**Note:**

2. .For bi-directional parts with  $V_{RWM} < 10\text{ V}$ , the  $I_R$  maximum limit is doubled.

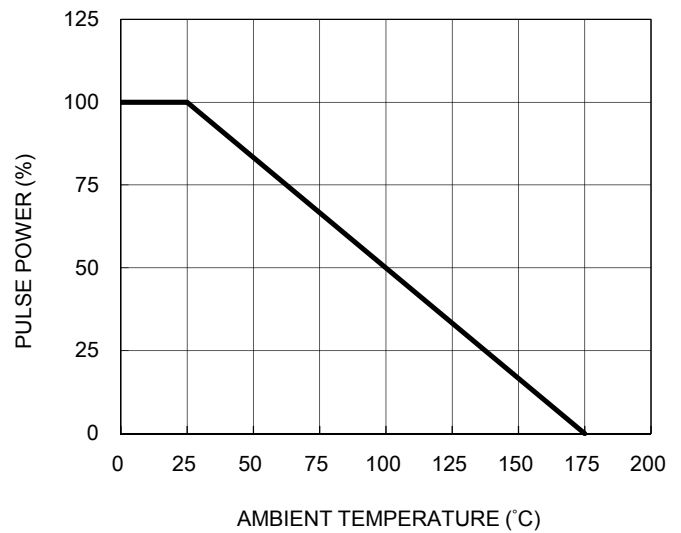
## CHARACTERISTICS CURVES

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

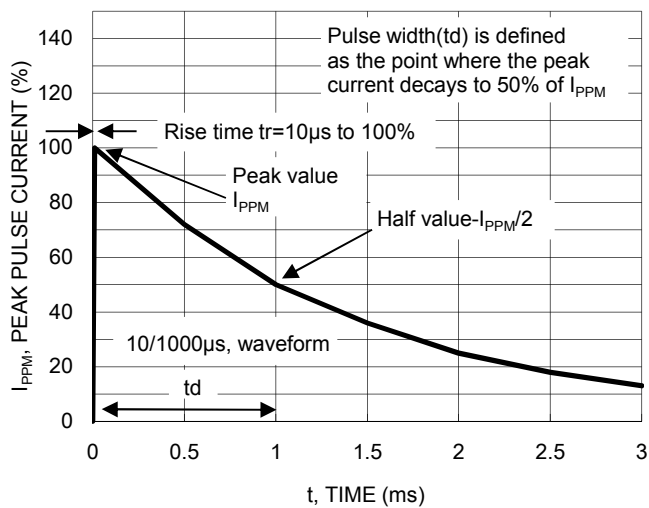
**Fig1. Peak Pulse Power Rating Curve**



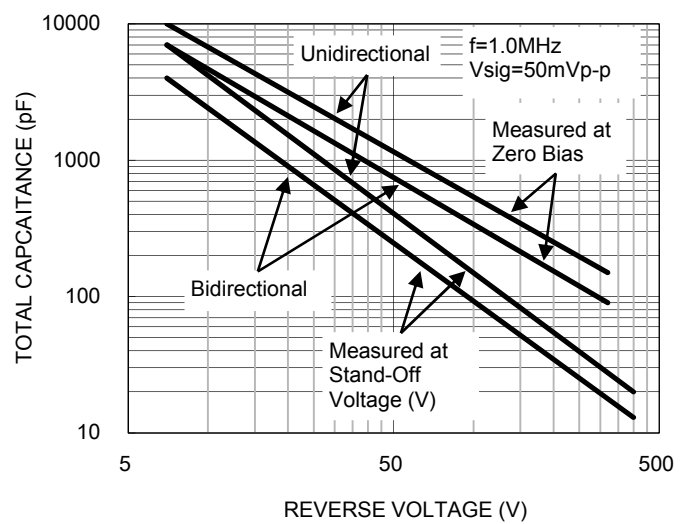
**Fig2. Pulse Derating Curve**



**Fig3. Pulse Waveform**



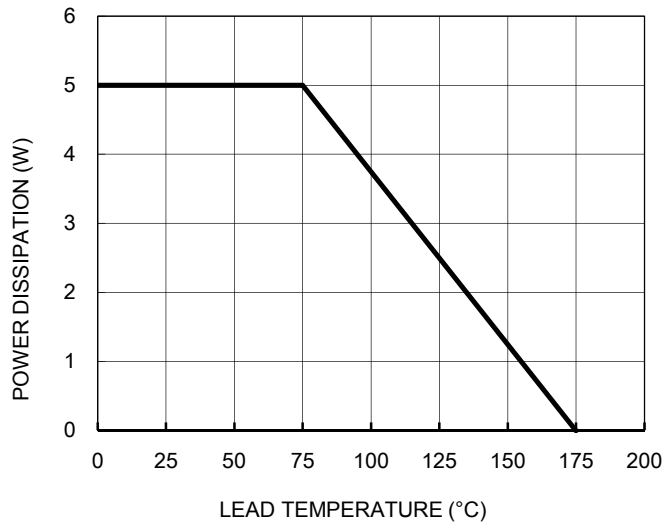
**Fig4. Total Capacitance**



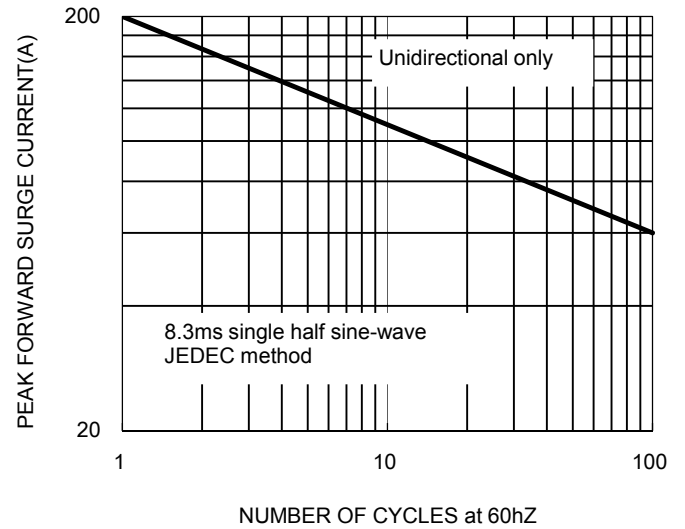
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**Fig5. Steady State Power Derating Curve**

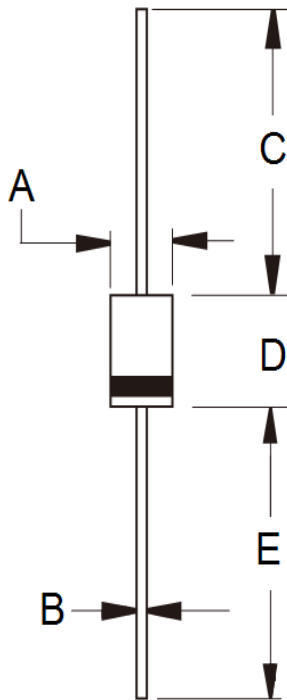


**Fig6. Non-Repetitive Surge Current**



**PACKAGE OUTLINE DIMENSIONS**

DO-201AE



DIM.	Unit (mm)	
	Min	Max
A	4.80	5.60
B	0.94	1.07
C	25.40	-
D	7.20	9.50
E	25.40	-

NOTES: UNLESS OTHERWISE SPECIFIED  
A) PACKAGE STANDARD REFERENCE:  
JEDEC DO-201 VARIATION AE.  
B) PLASTIC PACKAGE BODY.  
C) ALL DIMENSIONS ARE IN MILLIMETERS.

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