ELECTRICAL SPECIFICATIONS (T_A = 25°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 (μA) (2)
		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

ELECTRICAL SPECIFICATIONS (T_A = 25°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 (μA) (2)
		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 V, the I_R maximum limit is doubled.

CHARACTERISTICS CURVES

(T_A = 25°C unless otherwise noted)

Fig1. Peak Pulse Power Rating Curve

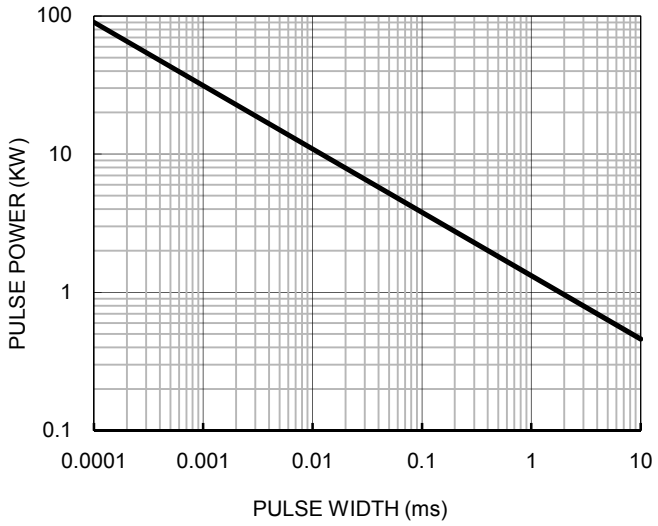


Fig2. Pulse Derating Curve

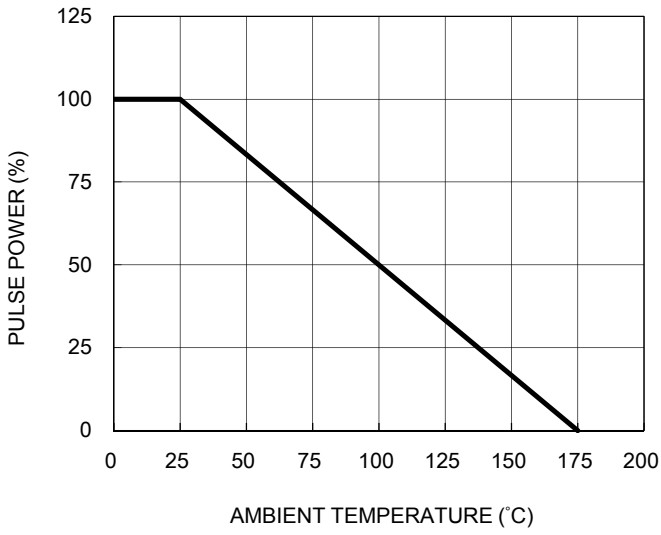


Fig3. Pulse Waveform

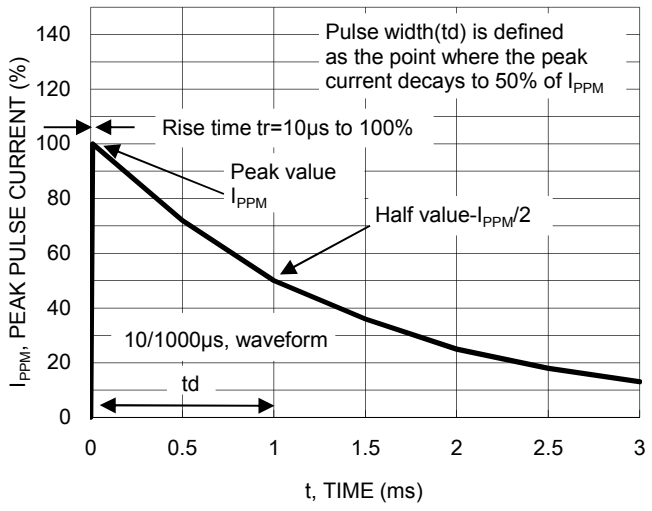
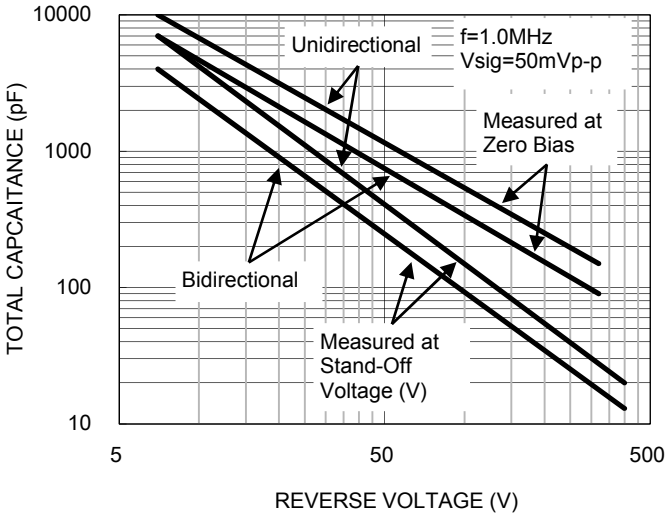


Fig4. Total Capacitance



CHARACTERISTICS CURVES

(T_A = 25°C unless otherwise noted)

Fig5. Steady State Power Derating Curve

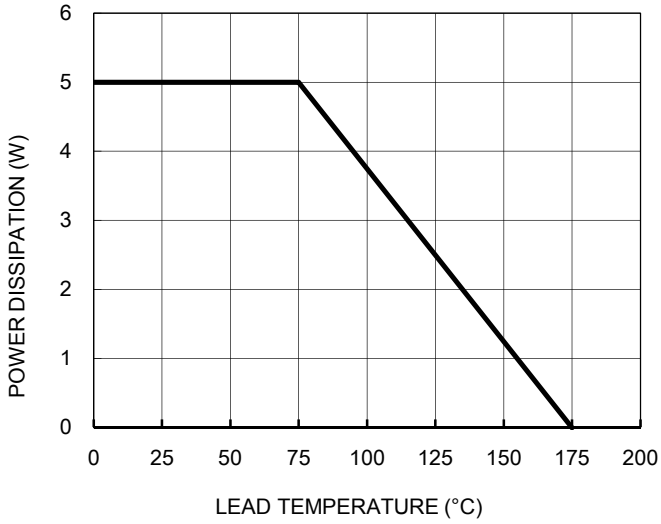
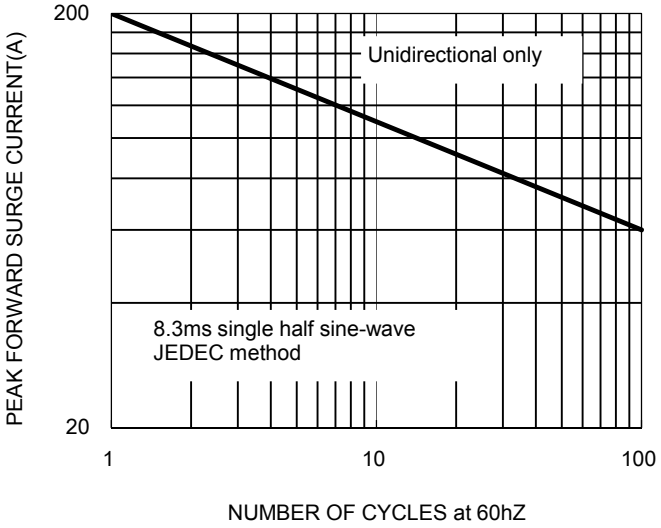
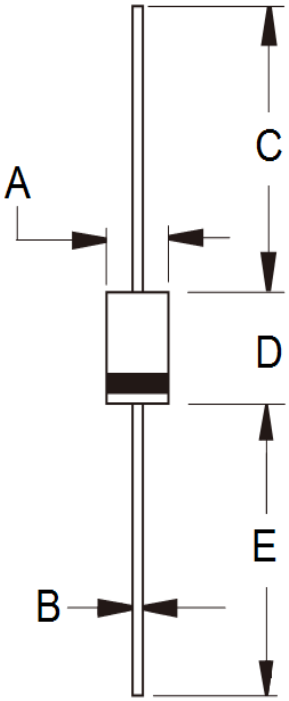


Fig6. Non-Repetitive Surge Current



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 MILLMETERS.

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