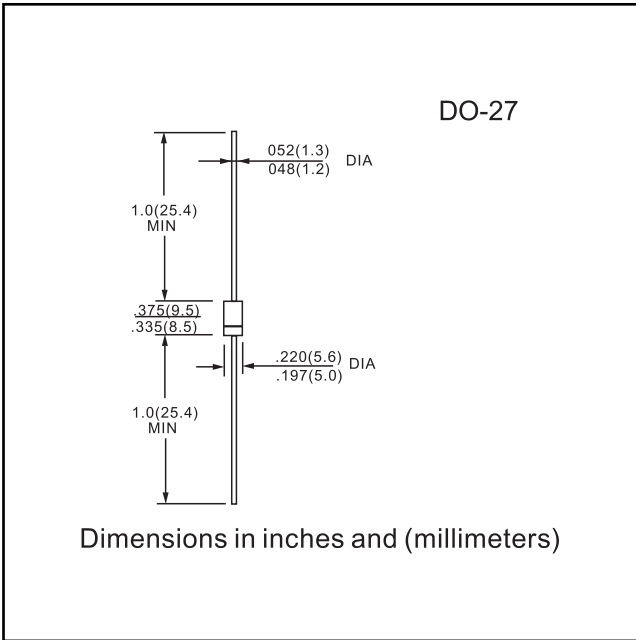




1.5KE6.8-1.5KE440CA
1500W

- Features**
- Glass Passivated Die Construction
 - 1500W Peak Pulse Power Dissipation
 - 6.8V – 440V Standoff Voltage
 - Uni- and Bi-Directional Versions Available
 - Excellent Clamping Capability
 - Fast Response Time
 - Plastic Case Material has UL Flammability

- Mechanical Data**
- Case: JEDEC DO-201AE Molded Plastic
 - Terminals: Axial Leads, Solderable per MIL-STD-202, Method 208
 - Polarity: Cathode Band or Cathode Notch
 - Marking:
Unidirectional – Device Code and Cathode Band
Bidirectional – Device Code Only
 - Weight: 1.20 grams (approx.)



Maximum Ratings and Electrical Characteristics @ $T_A=25^{\circ}\text{C}$ unless otherwise specified

Characteristic	Symbol	Value	Unit
Peak Pulse Power Dissipation at $T_A = 25^{\circ}\text{C}$ (Note 1, 2, 5) Figure 3	PPPM	1500 Minimum	W
Peak Forward Surge Current (Note 3)	IFSM	200	A
Peak Pulse Current on 10/1000 μS Waveform (Note 1) Figure 1	I _{PPM}	See Table 1	A
Steady State Power Dissipation (Note 2, 4)	P _{M(AV)}	5.0	W
Operating and Storage Temperature Range	T _J , T _{STG}	-65 to +175	$^{\circ}\text{C}$

- Note: 1. Non-repetitive current pulse, per Figure 1 and derated above $T_A = 25^{\circ}\text{C}$ per Figure 4.
 2. Mounted on 40mm² copper pad.
 3. 8.3ms single half sine-wave duty cycle = 4 pulses per minutes maximum.
 4. Lead temperature at $75^{\circ}\text{C} = T_L$.
 5. Peak pulse power waveform is 10/1000 μS .



Rating and Characteristic Curves (1.5KE6.8 THRU 1.5KE440CA)

FIG. 1 - PEAK PULSE POWER RATING CURVE

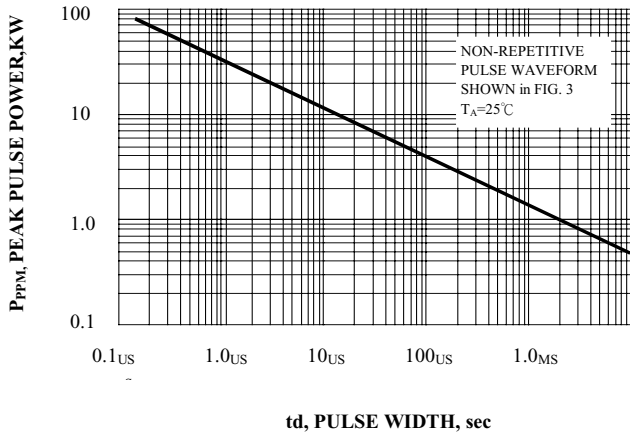


FIG. 2 - PULSE DERATING CURVE

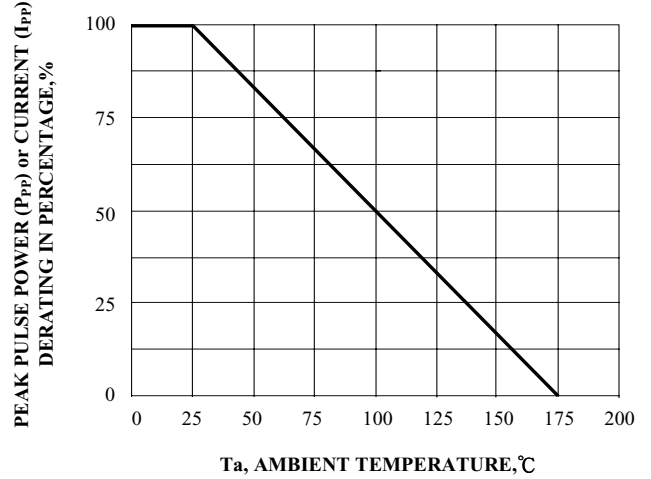


FIG. 3 - PULSE WAVEFORM

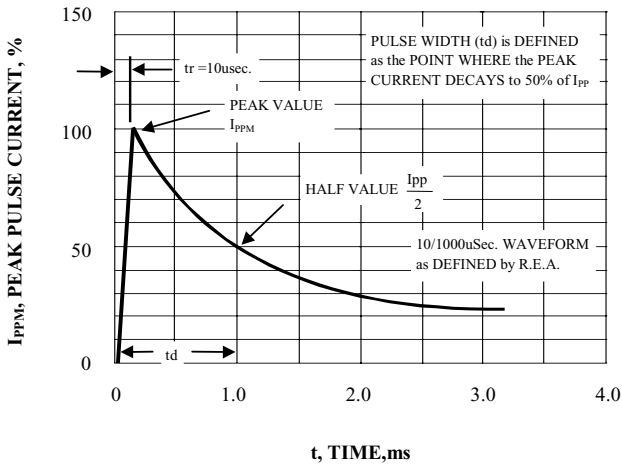


FIG. 4 - TYPICAL JUNCTION CAPACITANCE

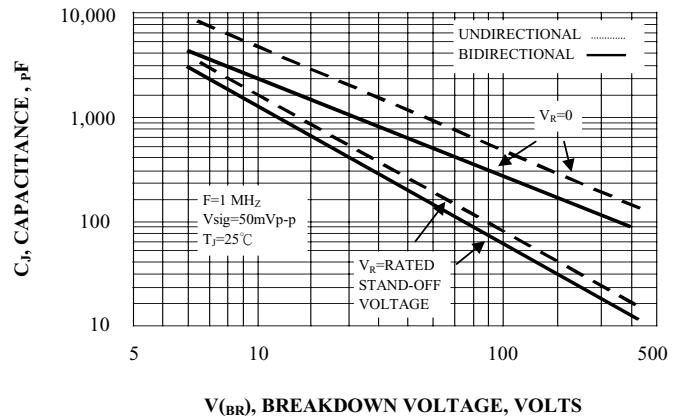


FIG. 5 - STEADY STATE POWER DERATING

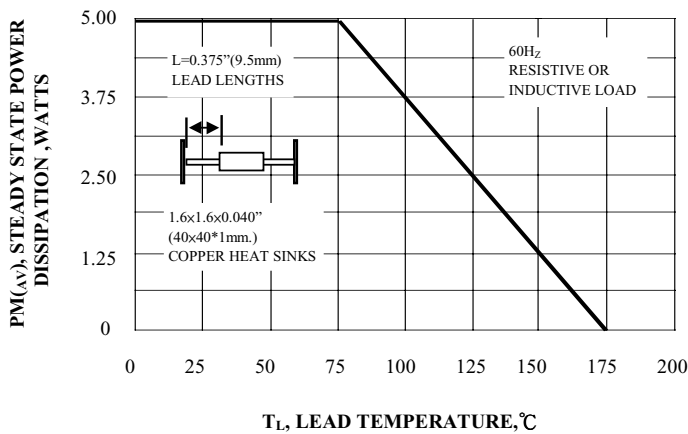
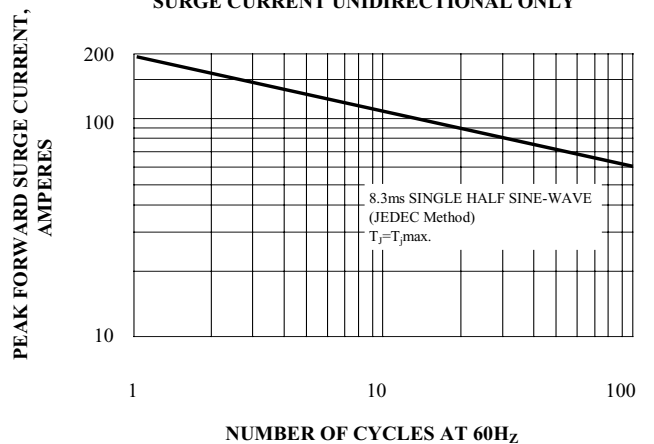


FIG. 6 - MAXIMUM NON-REPETITIVE PEAK FORWARD SURGE CURRENT UNIDIRECTIONAL ONLY





TAYCHIPST

TRANSIENT VOLTAGE SUPPRESSORS

1.5KE6.8-1.5KE440CA
1500W

TYPE 型号	Jedec Part Number 零件编号	Breakdown voltage 击穿电压		Stand-off voltage 关断电压	Maximum reverse leakage current@VRWM 最大反向 电流@VRWM	Maximum peak pulse current 最大峰 值电流	Maximum clamping voltage @IPPM 最大箝位 电压@IPPM	Maximum temperature coefficient ofVBR 温度系数	Power dissipation 耗散功率	Package 封装形式	
		VBR@IT									IT
		Min(V)	Max(V)	mA	V	µA	A	V	%/°C		W
1.5KE6.8	1N6267	6.12	7.48	10	5.50	1000	139	10.8	0.057	1500	DO-201AD
1.5KE6.8A	1N6267A	6.45	7.14	10	5.80	1000	143	10.5	0.057	1500	DO-201AD
1.5KE7.5	1N6268	6.75	8.25	10	6.05	500	128	11.7	0.061	1500	DO-201AD
1.5KE7.5A	1N6268A	7.13	7.88	10	6.40	500	132	11.3	0.061	1500	DO-201AD
1.5KE8.2	1N6269	7.38	9.02	10	6.63	200	120	12.5	0.065	1500	DO-201AD
1.5KE8.2A	1N6269A	7.79	8.61	10	7.02	200	124	12.1	0.065	1500	DO-201AD
1.5KE9.1	1N6270	8.19	10.0	1.0	7.37	50	109	13.8	0.068	1500	DO-201AD
1.5KE9.1A	1N6270A	8.65	9.55	1.0	7.78	50	112	13.4	0.068	1500	DO-201AD
1.5KE10	1N6271	9.00	11.0	1.0	8.10	10	100	15.0	0.073	1500	DO-201AD
1.5KE10A	1N6271A	9.50	10.5	1.0	8.55	10	103	14.5	0.073	1500	DO-201AD
1.5KE11	1N6272	9.90	12.1	1.0	8.92	5.0	93.0	16.2	0.075	1500	DO-201AD
1.5KE11A	1N6272A	10.5	11.6	1.0	9.40	5.0	96.0	15.6	0.075	1500	DO-201AD
1.5KE12	1N6273	10.8	13.2	1.0	9.72	5.0	87.0	17.3	0.078	1500	DO-201AD
1.5KE12A	1N6273A	11.4	12.6	1.0	10.2	5.0	90.0	16.7	0.078	1500	DO-201AD
1.5KE13	1N6274	11.7	14.3	1.0	10.5	5.0	79.0	19.0	0.081	1500	DO-201AD
1.5KE13A	1N6274A	12.4	13.7	1.0	11.1	5.0	82.0	18.2	0.081	1500	DO-201AD
1.5KE15	1N6275	13.5	16.5	1.0	12.1	5.0	68.0	22.0	0.084	1500	DO-201AD
1.5KE15A	1N6275A	14.3	15.8	1.0	12.8	5.0	71.0	21.2	0.084	1500	DO-201AD
1.5KE16	1N6276	14.4	17.6	1.0	12.9	5.0	64.0	23.5	0.086	1500	DO-201AD
1.5KE16A	1N6276A	15.2	16.8	1.0	13.6	5.0	67.0	22.5	0.086	1500	DO-201AD
1.5KE18	1N6277	16.2	19.8	1.0	14.5	5.0	56.5	26.5	0.088	1500	DO-201AD
1.5KE18A	1N6277A	17.1	18.9	1.0	15.3	5.0	59.5	25.2	0.088	1500	DO-201AD
1.5KE20	1N6278	18.0	22.0	1.0	16.2	5.0	51.5	29.1	0.090	1500	DO-201AD
1.5KE20A	1N6278A	19.0	21.0	1.0	17.1	5.0	54.0	27.7	0.090	1500	DO-201AD
1.5KE22	1N6279	19.8	24.2	1.0	17.8	5.0	47.0	31.9	0.092	1500	DO-201AD
1.5KE22A	1N6279A	20.9	23.1	1.0	18.8	5.0	49.0	30.6	0.092	1500	DO-201AD
1.5KE24	1N6280	21.6	26.4	1.0	19.4	5.0	43.0	34.7	0.094	1500	DO-201AD
1.5KE24A	1N6280A	22.8	25.2	1.0	20.5	5.0	45.0	33.2	0.094	1500	DO-201AD
1.5KE27	1N6281	24.3	29.7	1.0	21.8	5.0	38.5	39.1	0.096	1500	DO-201AD
1.5KE27A	1N6281A	25.7	28.4	1.0	23.1	5.0	40.0	37.5	0.096	1500	DO-201AD
1.5KE30	1N6282	27.0	33.0	1.0	24.3	5.0	34.5	43.5	0.097	1500	DO-201AD
1.5KE30A	1N6282A	28.5	31.5	1.0	25.6	5.0	36.0	41.4	0.097	1500	DO-201AD
1.5KE33	1N6283	29.7	36.3	1.0	26.8	5.0	31.5	47.7	0.098	1500	DO-201AD
1.5KE33A	1N6283A	31.4	34.7	1.0	28.2	5.0	33.0	45.7	0.098	1500	DO-201AD
1.5KE36	1N6284	32.4	39.6	1.0	29.1	5.0	29.0	52.0	0.099	1500	DO-201AD
1.5KE36A	1N6284A	34.2	37.8	1.0	30.8	5.0	30.0	49.9	0.099	1500	DO-201AD
1.5KE39	1N6285	35.1	42.9	1.0	31.6	5.0	26.5	56.4	0.100	1500	DO-201AD
1.5KE39A	1N6285A	37.1	41.0	1.0	33.3	5.0	28.0	53.9	0.100	1500	DO-201AD
1.5KE43	1N6286	38.7	47.3	1.0	34.8	5.0	24.0	61.9	0.101	1500	DO-201AD
1.5KE43A	1N6286A	40.9	45.2	1.0	36.8	5.0	25.3	59.3	0.101	1500	DO-201AD
1.5KE47	1N6287	42.3	51.7	1.0	38.1	5.0	22.2	67.8	0.101	1500	DO-201AD
1.5KE47A	1N6287A	44.7	49.4	1.0	40.2	5.0	23.2	64.8	0.101	1500	DO-201AD
1.5KE51	1N6288	45.9	56.1	1.0	41.3	5.0	20.4	73.5	0.102	1500	DO-201AD
1.5KE51A	1N6288A	48.5	53.6	1.0	43.6	5.0	21.4	70.1	0.102	1500	DO-201AD