



Micro Commercial Components

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# LCE6.5A THRU LCE28A

## Features

- Glass passivated junction
- Excellent clamping capability
- Low incremental surge resistance
- 1500W Peak Pulse Power capability with a 10/1000µs waveform
- Excellent clamping capability

**1500Watts Low  
 Capacitance Transient  
 Voltage Suppressor  
 6.5 to 28 Volts**

## Mechanical Characteristics

- **Case Material: Molded Plastic. UL Flammability Classification Rating 94V-0**
- **Weight: 0.045 ounce, 1.2 grams**

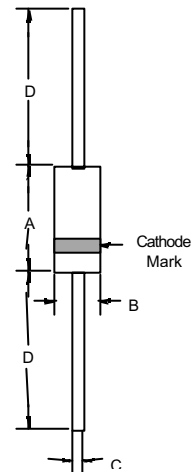
## Maximum Ratings

- Operating Temperature: -55°C to +175°C
- Storage Temperature: -55°C to +175°C
- For Parts without A , the V<sub>BR</sub> is ±20%

## Electrical Characteristics @ 250C Unless Otherwise Specified

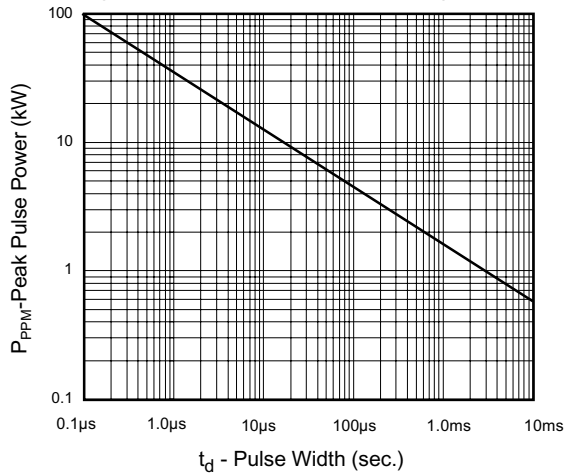
Peak Pulse Power Dissipation	P <sub>PPM</sub>	1500W	T <sub>A</sub> =25°C
Peak Power Pules Surger Current	I <sub>PPM</sub>	See the Table	
Steady State Power Dissipation	P <sub>M(AV)</sub>	5.0W	T <sub>L</sub> =75°C

DO-201AE

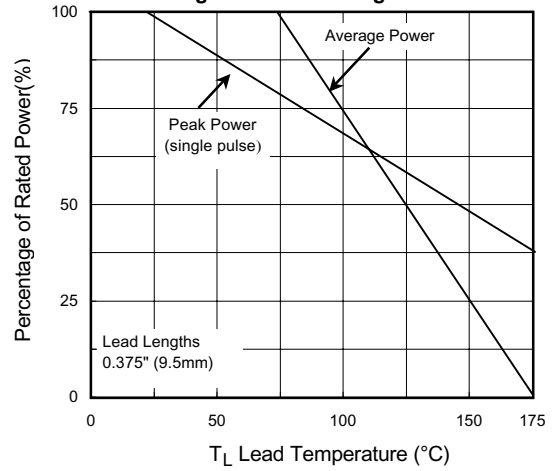


DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	---	.370	---	9.50	
B	---	.250	---	6.40	
C	.038	.042	0.96	1.06	
D	1.000	---	25.40	---	

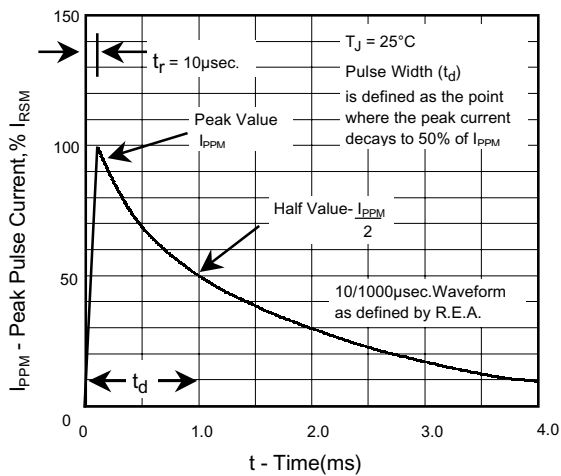
**Fig. 1 - Peak Pulse Power Rating Curve**



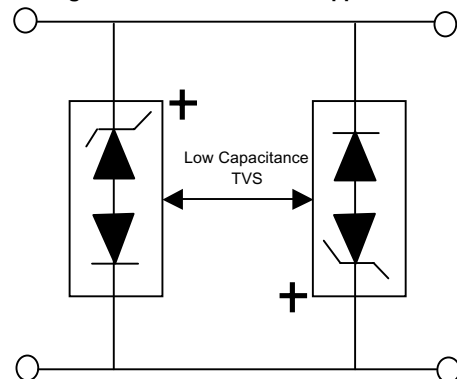
**Fig.2-Power Derating Curve**



**Fig.3 - Pulse Waveform**



**Fig. 4 - AC Line Protection Application**



**Application Note:** Device must be used with two units in parallel, opposite in polarity as shown in circuit for AC signal line protection.

# LCE6.5A thru LCE28A



LCE PART NUMBER	STAND-OFF VOLTAGE $V_{WM}$ (VOLTS)	BREAKDOWN VOLTAGE V(BR) (VOLTS) MIN-MAX	TEST CURRENT AT $I_T$ (mA)	MAXIMUM REVERSE LEAKAGE AT $V_{WM}$ $I_R$ ( $\mu$ A)	MAXIMUM CLAMPING VOLTAGE AT $I_{pp} V_c$ (VOLTS)	MAXIMUM PEAK PULSE CURRENT FIG.3 $I_{PPM}$ (AMPS)	MAXIMUM JUNCTION CAPACITANCE AT 0 VOLTS (pF)	WORKING INVERSE BLOCKING VOLTAGE $V_{WIB}$ (VOLTS)	WORKING INVERSE BLOCKING VOLTAGE $V_{WIB}$ (VOLTS)	PEAK INVERSE BLOCKING VOLTAGE $V_{PIB}$ (VOLTS)
UNI-POLAR										
LCE6.5A	6.5	7.22-7.98	10	1000	11.2	100	100	75	1.0	100
LCE7.0A	7.0	7.78-8.60	10	500	12.0	100	100	75	1.0	100
LCE7.5A	7.5	8.33-9.21	10	250	12.9	100	100	75	1.0	100
LCE8.0A	8.0	8.89-9.83	1	100	13.6	100	100	75	1.0	100
LCE8.5A	8.5	9.44-10.40	1	50	14.4	100	100	75	1.0	100
LCE9.0A	9.0	10.00-11.10	1	10	15.4	97	100	75	1.0	100
LCE10A	10.0	11.10-12.30	1	5	17.0	88	100	75	1.0	100
LCE11A	11.0	12.20-13.50	1	5	18.2	82	100	75	1.0	100
LCE12A	12.0	13.30-14.70	1	5	19.9	75	100	75	1.0	100
LCE13A	13.0	14.40-15.90	1	5	21.5	70	100	75	1.0	100
LCE14A	14.0	15.60-17.20	1	5	23.2	65	100	75	1.0	100
LCE15A	15.0	16.70-18.50	1	5	24.4	61	100	75	1.0	100
LCE16A	16.0	17.80-19.70	1	5	26.0	57	100	75	1.0	100
LCE17A	17.0	18.90-20.90	1	5	27.6	54	100	75	1.0	100
LCE18A	18.0	20.00-22.10	1	5	29.2	51	100	75	1.0	100
LCE20A	20.0	22.20-24.50	1	5	32.4	46	100	75	1.0	100
LCE22A	22.0	24.40-26.90	1	5	35.5	42	100	75	1.0	100
LCE24A	24.0	26.70-29.50	1	5	38.9	39	100	75	1.0	100
LCE26A	26.0	28.90-31.90	1	5	42.1	36	100	75	1.0	100
LCE28A	28.0	31.10-34.40	1	5	45.5	33	100	75	1.0	100



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