

## Features

- Glass passivated chip
- Built-in strain relief
- Low inductance
- High peak reverse power dissipation
- Low reverse leakage
- For use in stabilizing and clipping with high power rating
- RoHS compliant

## Mechanical Data

- Case: LL-41 Glass Case
- Lead: Solderable per MIL-STD-750, method 2026
- Epoxy: UL 94V-0 rate flame retardant
- Polarity: Color band denotes cathode end
- Mounting position: Any

Parameter	Symbols	Value	Unit
DC Power dissipation at $T_L = 75\text{ }^\circ\text{C}^{(1)}$	$P_D$	1.0	W
Maximum forward voltage at $i_f=200\text{mA}$	$V_F$	1.2	V
Junction temperature range	$T_J, T_{STG}$	-55 to +150	$^\circ\text{C}$
Storage temperature range	$T_J, T_{STG}$	-55 to +150	$^\circ\text{C}$

Note :

( 1 )  $T_L$ =Lead temperature at 3/8" (9.5mm)from body

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

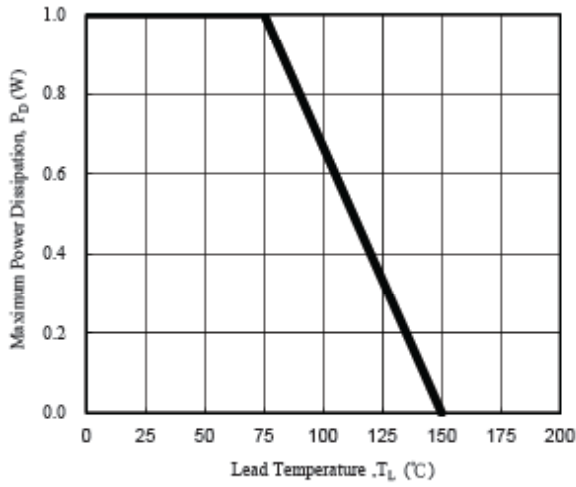


Fig. 1 - Power Temperature Derating Curve

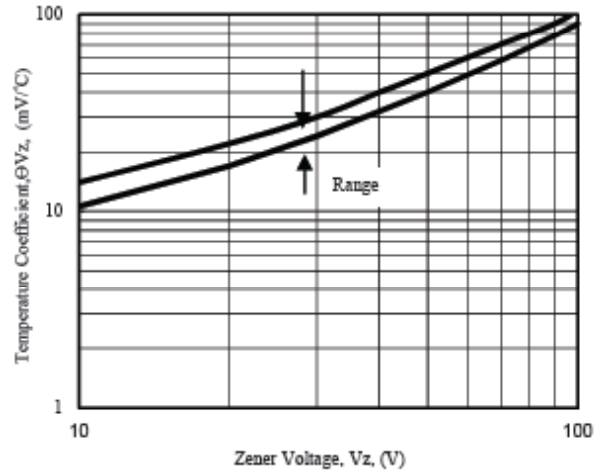


Fig. 2 - Temperature Coefficients v.s. Zener Voltage

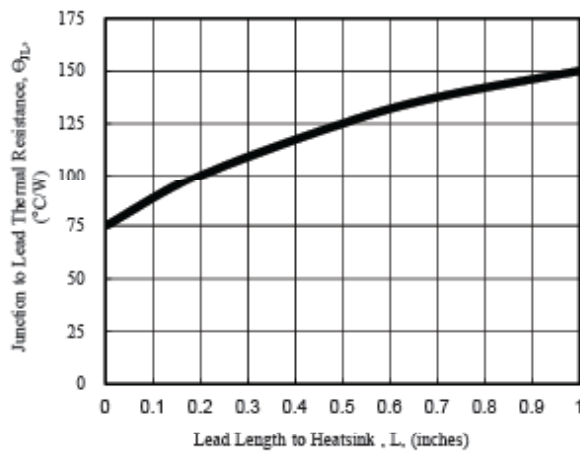


Fig. 3 - Typical Thermal Resistance v.s. Lead Length

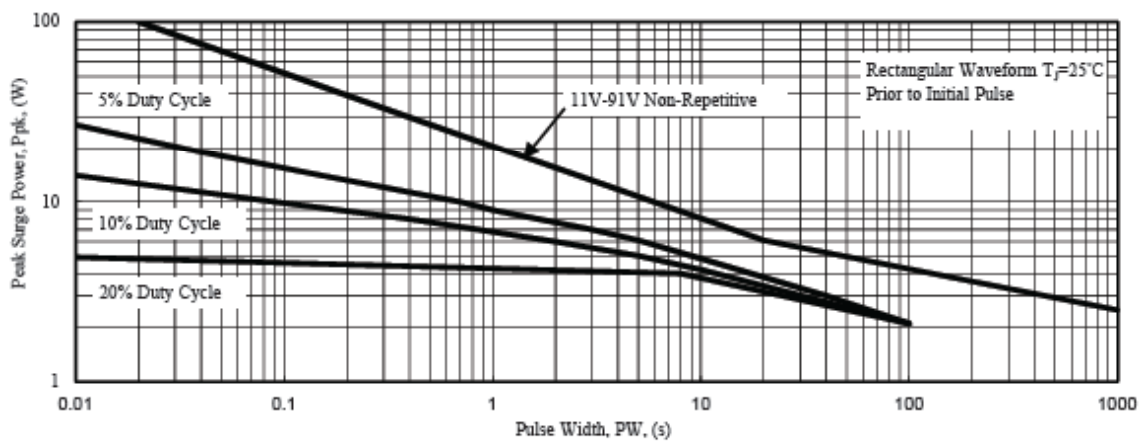


Fig. 4 - Maximum Surge Power



Part Number	Nominal Zener Voltage @I <sub>T</sub>			I <sub>ZT</sub> (mA)	Maximum Zener Impedance			Maximum Reverse Leakage Current		Maximum DC Zener Current
	V <sub>Z AVE</sub> (V)	V <sub>Z MIN</sub> (V)	V <sub>Z MAX</sub> (V)		Z <sub>ZT MAX</sub> (Ω) @I <sub>ZT</sub>	Z <sub>ZK MAX</sub> (Ω) @I <sub>ZK</sub>	I <sub>ZK</sub> (mA)	I <sub>R</sub> (uA)@V <sub>R</sub>	V <sub>R</sub> (V)	
DL4728A	3.3	3.14	3.47	76.0	10.0	400.0	1.00	100.0	1.0	274.0
DL4729A	3.6	3.42	3.78	69.0	10.0	400.0	1.00	100.0	1.0	251.0
DL4730A	3.9	3.71	4.10	64.0	9.0	400.0	1.00	50.0	1.0	232.0
DL4731A	4.3	4.09	4.52	58.0	9.0	400.0	1.00	10.0	1.0	210.0
DL4732A	4.7	4.47	4.94	53.0	8.0	500.0	1.00	10.0	1.0	192.0
DL4733A	5.1	4.85	5.36	49.0	7.0	550.0	1.00	10.0	1.0	177.0
DL4734A	5.6	5.32	5.88	45.0	5.0	600.0	1.00	10.0	2.0	161.0
DL4735A	6.2	5.89	6.51	41.0	2.0	700.0	1.00	10.0	3.0	146.0
DL4736A	6.8	6.46	7.14	37.0	3.5	700.0	1.00	10.0	4.0	133.0
DL4737A	7.5	7.13	7.88	34.0	4.0	700.0	0.50	10.0	5.0	121.0
DL4738A	8.2	7.79	8.61	31.0	4.5	700.0	0.50	10.0	6.0	110.0
DL4739A	9.1	8.65	9.56	28.0	5.0	700.0	0.50	10.0	7.0	100.0
DL4740A	10.0	9.50	10.50	25.0	7.0	700.0	0.25	10.0	7.6	91.0
DL4741A	11.0	10.45	11.55	23.0	8.0	700.0	0.25	0.5	8.4	83.0
DL4742A	12.0	11.40	12.60	21.0	9.0	700.0	0.25	0.5	9.1	76.0
DL4743A	13.0	12.35	13.65	19.0	10.0	700.0	0.25	0.5	9.9	69.0
DL4744A	15.0	14.25	15.75	17.0	14.0	700.0	0.25	0.5	11.4	61.0
DL4745A	16.0	15.20	16.80	15.5	16.0	700.0	0.25	0.5	12.2	57.0
DL4746A	18.0	17.10	18.90	14.0	20.0	750.0	0.25	0.5	13.7	50.0
DL4747A	20.0	19.00	21.00	12.5	22.0	750.0	0.25	0.5	15.2	45.0
DL4748A	22.0	20.90	23.10	11.5	23.0	750.0	0.25	0.5	16.7	41.0
DL4749A	24.0	22.80	25.20	10.5	25.0	750.0	0.25	0.5	18.2	38.0
DL4750A	27.0	25.65	28.35	9.5	35.0	750.0	0.25	0.5	20.6	34.0
DL4751A	30.0	28.50	31.50	8.5	40.0	1000.0	0.25	0.5	22.8	30.0
DL4752A	33.0	31.35	34.65	7.5	45.0	1000.0	0.25	0.5	25.1	27.0
DL4753A	36.0	34.20	37.80	7.0	50.0	1000.0	0.25	0.5	27.4	25.0
DL4754A	39.0	37.05	40.95	6.5	60.0	1000.0	0.25	0.5	29.7	23.0
DL4755A	43.0	40.85	45.15	6.0	70.0	1500.0	0.25	0.5	32.7	22.0
DL4756A	47.0	44.65	49.35	5.5	80.0	1500.0	0.25	0.5	35.8	19.0
DL4757A	51.0	48.45	53.55	5.0	95.0	1500.0	0.25	0.5	38.8	18.0
DL4758A	56.0	53.20	58.80	4.5	110.0	2000.0	0.25	0.5	42.6	16.0
DL4759A	62.0	58.90	65.10	4.0	125.0	2000.0	0.25	0.5	47.1	14.0
DL4760A	68.0	64.60	71.40	3.7	150.0	2000.0	0.25	0.5	51.7	13.0
DL4761A	75.0	71.25	78.75	3.3	175.0	2000.0	0.25	0.5	56.0	12.0
DL4762A	82.0	77.90	86.10	3.0	200.0	3000.0	0.25	0.5	62.2	11.0
DL4763A	91.0	86.45	95.55	2.8	250.0	3000.0	0.25	0.5	69.2	10.0
DL4764A	100.0	95.00	105.00	2.5	350.0	3000.0	0.25	0.5	76.0	9.0

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