DL4728A thru DL4761A

SURFACE MOUNT ZENER DIODES

VOLTAGE - **3.3 to 75**Volts
POWER - **1.0 Watts**

FEATURES

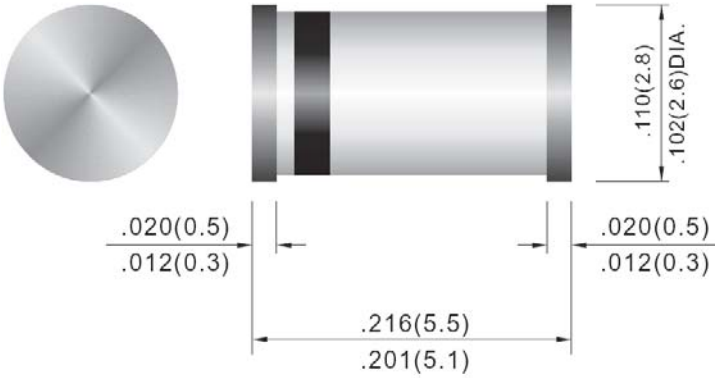
- Low profile package
- Built-in strain relief
- Low inductance
- In compliance with EU RoHS 2002/95/EC directives

MECHANICAL DATA

- Case: Molded Glass MELF / DL-41
- Terminals: Solderable per MIL-STD-750, Method 2026
- Polarity: See Diagram Below
- Approx. Weight: 0.16 grams
- Mounting Position: Any
- Packing information

T/R - 5K per 13" paper Reel

MELF/DL-41



Dimensions in inches and (milimeters)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating at 25℃ ambient temperature unless otherwise specified.

Param eter	Symbol	Value	Unis
Power Dissipation at Tamb = 25℃	P_{TOT}	1*	W
Junction Temperature	T_J	200	V
Storage Temperature Range	T_{STG}	-65 to +200	℃

*Valid provided that leads at a distance of 10mm from case are kept at ambient temperature.

Param eter	Symbol	Min.	Typ.	Max.	Unis
Thermal Resistance Junction to Ambient Air	$R_{\theta JA}$			170*	K/W
Forward Volage ar I_F=200mA	VF			1.2	V

*Valid provided that leads at a distance of 10mm from case are kept at ambient temperature.

DL4728A thru DL4761A

Part Number	Maximum Zener Voltage			Maximum Zener Impedance				Maximum Leakage Current	
	V_Z@I_{ZT}			Z_{ZT}@I_{ZT}		Z_{ZK}@I_{ZK}		I_R@V_R	
	Nom. V	Min. V	Max. V	Ω	mA	Ω	mA	uA	V
1.0watt Zener Diodes(Glass Seale Envelope)									
DL4728A	3.3	3.1	3.5	10.0	76.0	400	1.00	100	1.0
DL4729A	3.6	3.4	3.8	10.0	69.0	400	1.00	100	1.0
DL4730A	3.9	3.7	4.1	9.0	64.0	400	1.00	50	1.0
DL4731A	4.3	4.1	4.5	9.0	58.0	400	1.00	10	1.0
DL4732A	4.7	4.5	4.9	8.0	53.0	500	1.00	10	1.0
DL4733A	5.1	4.8	5.4	7.0	49.0	550	1.00	10	1.0
DL4734A	5.6	5.3	5.9	5.0	45.0	600	1.00	10	2.0
DL4735A	6.2	5.9	6.5	2.0	41.0	700	1.00	10	3.0
DL4736A	6.8	6.5	7.1	3.5	37.0	700	1.00	10	4.0
DL4737A	7.5	7.1	7.9	4.0	34.0	700	0.50	10	5.0
DL4738A	8.2	7.8	8.6	4.5	31.0	700	0.50	10	6.0
DL4739A	9.1	8.6	9.6	5.0	28.0	700	0.50	10	7.0
DL4740A	10.0	9.5	10.5	7.0	25.0	700	0.25	10	7.6
DL4741A	11.0	10.5	11.6	8.0	23.0	700	0.25	5	8.4
DL4742A	12.0	11.4	12.6	9.0	21.0	700	0.25	5	9.1
DL4743A	13.0	12.4	13.7	10.0	19.0	700	0.25	5	9.9
DL4744A	15.0	14.3	15.8	14.0	17.0	700	0.25	5	11.4
DL4745A	16.0	15.2	16.8	16.0	15.5	700	0.25	5	12.2
DL4746A	18.0	17.1	18.9	20.0	14.0	750	0.25	5	13.7
DL4747A	20.0	19.0	21.0	22.0	12.5	750	0.25	5	15.2
DL4748A	22.0	20.9	23.1	23.0	11.5	750	0.25	5	16.7
DL4749A	24.0	22.8	25.2	25.0	10.5	750	0.25	5	18.2
DL4750A	27.0	25.7	28.4	35.0	9.5	750	0.25	5	20.6
DL4751A	30.0	28.5	31.5	40.0	8.5	1000	0.25	5	22.8
DL4752A	33.0	31.4	34.7	45.0	7.5	1000	0.25	5	25.1
DL4753A	36.0	34.2	37.8	50.0	7.0	1000	0.25	5	27.4
DL4754A	39.0	37.1	41.0	60.0	6.5	1000	0.25	5	29.7
DL4755A	43.0	40.9	45.2	70.0	6.0	1500	0.25	5	32.7
DL4756A	47.0	44.7	49.4	80.0	5.5	1500	0.25	5	35.8
DL4757A	51.0	48.5	53.6	95.0	5.0	1500	0.25	5	38.8
DL4758A	56.0	53.2	58.8	110.0	4.5	2000	0.25	5	42.6
DL4759A	62.0	58.9	65.1	125.0	4.0	2000	0.25	5	47.1
DL4760A	68.0	64.6	71.4	150.0	3.7	2000	0.25	5	51.7
DL4761A	75.0	71.3	78.8	175.0	3.3	2000	0.25	5	56.0

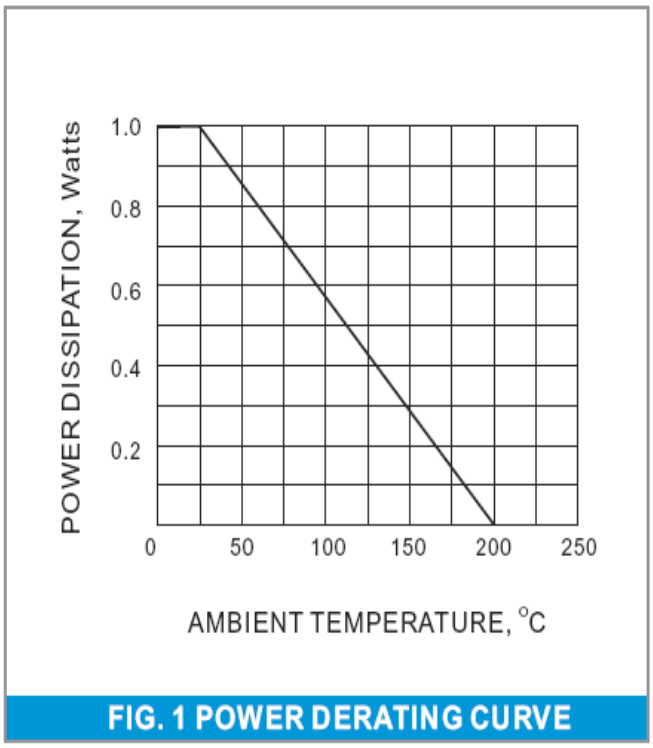


FIG. 1 POWER DERATING CURVE

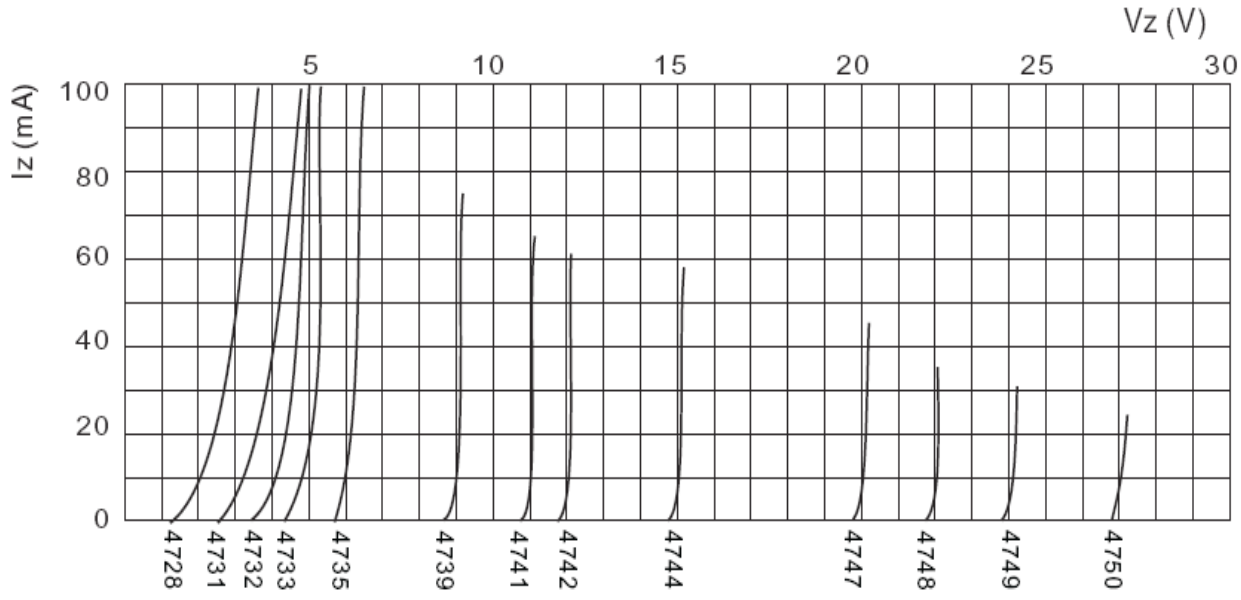


Fig.2 BREAKDOWN CHARACTERISTICS

The cruve graph is for reference only, can't be the basis for judgment(曲线图仅供参考)!

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