

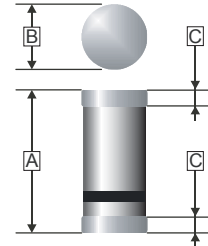
RoHS Compliant Product

A suffix of "-C" specifies halogen & lead-free

## FEATURES

- Zener Voltage Range 3.3 to 56 Volts
- MELF Package (JEDEC DO-213AB)
- Surface Mount Devices (SMD)
- Hermetically Sealed Glass
- Compression Bonded Construction
- All External Surfaces Are Corrosion Resistant And Terminals Are Readily Solderable
- Matte Tin (Sn) Lead Finish
- Color band Indicates Negative Polarity

## MELF



REF.	Millimeter	
	Min.	Max.
A	4.80	5.20
B	2.39	2.66
C	0.41	0.55

## ABSOLUTE MAXIMUM RATINGS (T<sub>A</sub>=25°C unless otherwise specified)

Parameter	Symbol	Rating	Unit
Thermal Resistance Junction to Ambient	R <sub>θJA</sub>	170	°C / W
Power Dissipation	P <sub>D</sub>	1	W
Operating and Storage Temperature Range	T <sub>J</sub> , T <sub>STG</sub>	175, -65~200	°C

Notes:

1. These ratings are limiting values above which the service ability of the diode may be impaired.

**ELECTRICAL RATINGS** ( $T_A=25^\circ\text{C}$  unless otherwise specified)

Type Number	Zener Voltage Range		Zener Impedance			Leakage Current	
	$V_Z @ I_{ZT}$	$I_{ZT}$	$Z_{ZT} @ I_{ZT}$	$I_{ZK}$	$Z_{ZK} @ I_{ZK}$	$I_R @ V_R$	$V_R$
	Nom(V)	mA	$\Omega(\text{MAX})$			$\mu\text{A}(\text{MAX})$	V
DL4728A	3.3	76	10	1	400	100	1
DL4729A	3.6	69	10	1	400	100	1
DL4730A	3.9	64	9	1	400	50	1
DL4731A	4.3	58	9	1	400	10	1
DL4732A	4.7	53	8	1	500	10	1
DL4733A	5.1	49	7	1	550	10	1
DL4734A	5.6	45	5	1	600	10	2
DL4735A	6.2	41	2	1	700	10	3
DL4736A	6.8	37	3.5	1	700	10	4
DL4737A	7.5	34	4	0.5	700	10	5
DL4738A	8.2	31	4.5	0.5	700	10	6
DL4739A	9.1	28	5	0.5	700	10	7
DL4740A	10	25	7	0.25	700	10	7.6
DL4741A	11	23	8	0.25	700	5	8.4
DL4742A	12	21	9	0.25	700	5	9.1
DL4743A	13	19	10	0.25	700	5	9.9
DL4744A	15	17	14	0.25	700	5	11.4
DL4745A	16	15.5	16	0.25	700	5	12.2
DL4746A	18	14	20	0.25	700	5	13.7
DL4747A	20	12.5	22	0.25	750	5	15.2
DL4748A	22	11.5	23	0.25	750	5	16.7
DL4749A	24	10.5	25	0.25	750	5	18.2
DL4750A	27	9.5	35	0.25	750	5	20.6
DL4751A	30	8.5	40	0.25	1000	5	22.8
DL4752A	33	7.5	45	0.25	1000	5	25.1
DL4753A	36	7	50	0.25	1000	5	27.4
DL4754A	39	6.5	60	0.25	1000	5	29.7
DL4755A	43	6	70	0.25	1500	5	32.7
DL4756A	47	5.5	80	0.25	1500	5	35.8
DL4757A	51	5	95	0.25	1500	5	38.8
DL4758A	56	4.5	110	0.25	2000	5	42.6

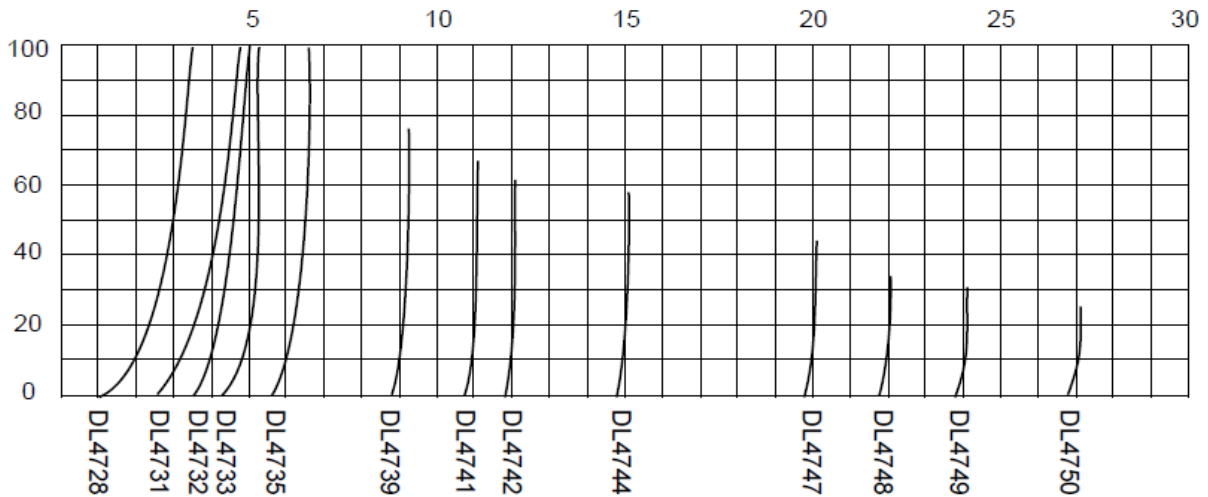
$V_F$  Forward Voltage=1.2V Maximum @  $I_F=200\text{mA}$  for all types

## Notes:

- The device numbers listed have a standard tolerance on the nominal zener voltage of  $\pm 5\%$ .
- The zener impedance is derived from the 60-cycle ac voltage, which results when an ac current having an rms value equal to 10% of the dc zener current ( $I_{ZT}$  or  $I_{ZK}$ ) is superimposed to  $I_{ZT}$  or  $I_{ZK}$ .

**CHARACTERISTIC CURVES**

**Breakdown Characteristics**



**Admissible power dissipation versus ambient temperature**

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

