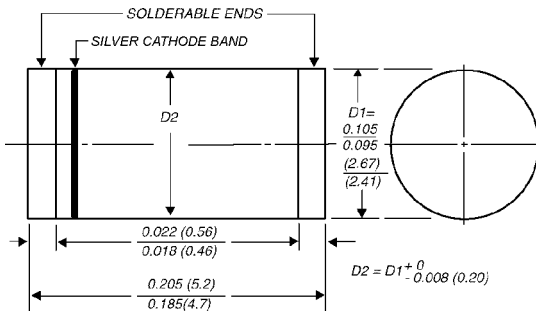


1 Watt ZENER DIODES (3.3V to 100V) Mechanical Dimensions

LL4728...4764 Series

**DO-213AB
(MELF)**



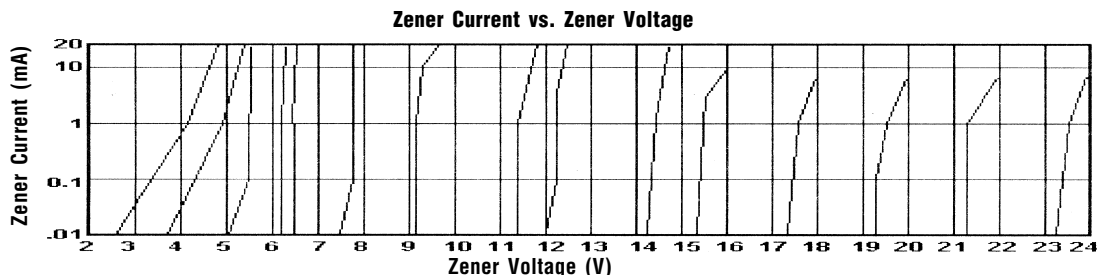
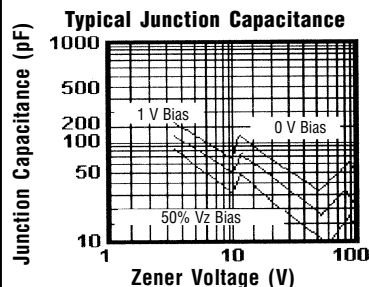
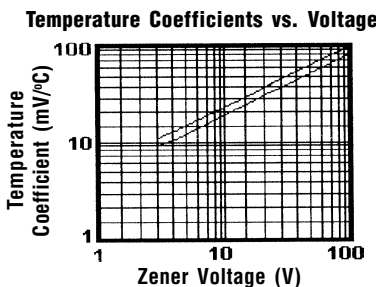
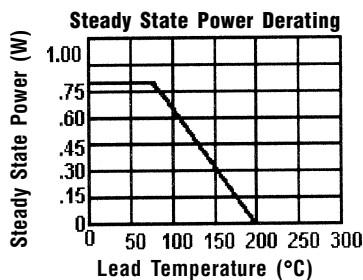
Dimensions in inches and (mm)

Features

■ 5 & 10% VOLTAGE
TOLERANCES AVAILABLE

■ WIDE VOLTAGE RANGE
■ MEETS UL SPECIFICATION 94V-0

Maximum Ratings	LL4728...4764 Series	Units
DC Power Dissipation with $T_L = > 75^\circ\text{C}$... P_D	1	Watt
Lead Length = .375 Inches		
Derate Above 50°C	6.67	mW / $^\circ\text{C}$
Operating & Storage Temperature Range... T_J , T_{STRG}	-65 to 100	$^\circ\text{C}$



- NOTES:** 1. For 10% Tolerance on Zener Voltage, Specify No Suffix. For 5% Tolerance, Specify Suffix "A". (Example: LL4728A = 3.3V +/- 5%)
2. $T_A = 25^\circ\text{C}$ unless otherwise specified. Measurements made at Thermal Equilibrium.

Lead Length = .375". Thermal Resistance of Heat Sink = 30°C/W , $V_F = 1.1\text{V Max.}$ @ $I_F = 200\text{mA}$.

Electrical Characteristics @ 25°C .

Part #	Nominal Zener Voltage	Test Current I_{ZT} (mA)	Max. Zener Impedance			Max. Reverse Leakage Current @ V_R		Max. Surge Current $T_A = 25^\circ\text{C}$
			$Z_{ZT} @ I_{ZT}$ (Ω)	$Z_{ZK} @ I_{ZK}$ (Ω)	I_{ZK} (mA)	I_R (μA)	V_R (V)	
LL4728	3.3	76	10	400	1	100	1	1380
LL4729	3.6	69	10	400	1	100	1	1260
LL4730	3.9	64	9	400	1	50	1	1190
LL4731	4.3	58	9	400	1	10	1	1070
LL4732	4.7	53	8	500	1	10	1	970
LL4733	5.1	49	7	550	1	10	1	890
LL4734	5.6	45	5	600	1	10	2	810
LL4735	6.2	41	2	700	1	10	3	730
LL4736	6.8	37	3.5	700	1	10	4	660
LL4737	7.5	34	4	700	0.5	10	5	605
LL4738	8.2	31	4.5	700	0.5	10	6	550
LL4739	9.1	28	5	700	0.5	10	7	500
LL4740	10	25	7	700	0.25	10	7.6	454
LL4741	11	23	8	700	0.25	5	8.4	414
LL4742	12	21	9	700	0.25	5	9.1	380
LL4743	13	19	10	700	0.25	5	9.9	344
LL4744	15	17	14	700	0.25	5	11.4	304
LL4745	16	15.5	16	700	0.25	5	12.2	285
LL4746	18	14	20	750	0.25	5	13.7	250
LL4747	20	12.5	22	750	0.25	5	15.2	225
LL4748	22	11.5	23	750	0.25	5	16.7	205
LL4749	24	10.5	25	750	0.25	5	18.2	190
LL4750	27	9.5	35	750	0.25	5	20.6	170
LL4751	30	8.5	40	1000	0.25	5	22.8	150
LL4752	33	7.5	45	1000	0.25	5	25.1	135
LL4753	36	7.0	50	1500	0.25	5	27.4	125
LL4754	39	6.5	60	1500	0.25	5	29.7	115
LL4755	43	6.0	70	1500	0.25	5	32.7	110
LL4756	47	5.5	80	1500	0.25	5	35.8	95
LL4757	51	5.0	95	1500	0.25	5	38.8	90
LL4758	56	4.5	110	2000	0.25	5	42.6	80
LL4759	62	4.0	125	2000	0.25	5	47.1	70
LL4760	68	3.7	150	2000	0.25	5	51.7	65
LL4761	75	3.3	175	2000	0.25	5	56	60
LL4762	82	3.0	200	3000	0.25	5	62.2	55
LL4763	91	2.8	250	3000	0.25	5	69.2	50
LL4764	100	2.5	350	3000	0.25	5	76	45