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1WATT MELF ZENER DIODE

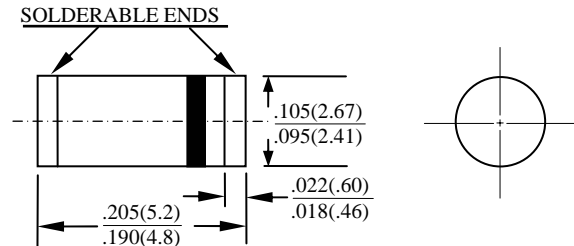
DL4728A THRU DL4753A

FEATURES

- LOW COST
- SMALL SIZE

MECHANICAL DATA

- CASE: MELF DIMENSIONS IN INCHES AND (MILLIMETERS)
- TERMINALS: SOLDERABLE PER MIL-STD -202, METHOD 208
- POLARITY: COLOR BAND DENOTES CATHODE
- MOUNTING POSITION: ANY
- WEIGHT: 0.135 GRAMS



MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS RATINGS AT 25°C AMBIENT TEMPERATURE UNLESS OTHERWISE SPECIFIED STORAGE AND OPERATING TEMPERATURE RANGE -55 TO + 150°C

ELECTRICAL CHARACTERISTICS (TA=25°C UNLESS OTHERWISE NOTED) VF=1.2V MAX, IF = 200mA FOR ALL TYPES								
JEDEC TYPE NO	NOMINAL ZENER VOLTAGE V _Z @ I _{ZT} VOLTS	TEST CURRENT I _{ZT} mA	MAXIMUM ZENER IMPEDANCE			LEAKAGE CURRENT		SURGE CURRENT @ TA=25°C I _R - mA
			Z _{ZT} @ I _{ZT} OHMS	Z _{ZK} @ I _{ZK} OHMS	I _{ZK} mA	I _R μA MAX	V _R VOLTS	
DL4728A	3.3	76	10	400	1	100	1	1380
DL4729A	3.6	69	10	400	1	100	1	1260
DL4730A	3.9	64	9	400	1	50	1	1190
DL4731A	4.3	58	9	400	1	10	1	1070
DL4732A	4.7	53	8	500	1	10	1	970
DL4733A	5.1	49	7	550	1	10	1	890
DL4734A	5.6	45	5	600	1	10	2	810
DL4735A	6.2	41	2	700	1	10	3	730
DL4736A	6.8	37	3.5	700	1	10	4	660
DL4737A	7.5	34	4	700	0.5	10	5	605
DL4738A	8.2	31	4.5	700	0.5	10	6	550
DL4739A	9.1	28	5	700	0.5	10	7	500
DL4740A	10	25	7	700	0.25	10	7.6	454
DL4741A	11	23	8	700	0.25	5	8.4	414
DL4742A	12	21	9	700	0.25	5	9.1	380
DL4743A	13	19	10	700	0.25	5	9.9	344
DL4744A	15	17	14	700	0.25	5	11.4	304
DL4745A	16	15.5	16	700	0.25	5	12.2	285
DL4746A	18	14	20	750	0.25	5	13.7	250
DL4747A	20	12.5	22	750	0.25	5	15.2	225
DL4748A	22	11.5	23	750	0.25	5	16.7	205
DL4749A	24	10.5	25	750	0.25	5	18.2	190
DL4750A	27	9.5	35	750	0.25	5	20.6	170
DL4751A	30	8.5	40	1000	0.25	5	22.8	150
DL4752A	33	7.5	45	1000	0.25	5	25.1	135
DL4753A	36	7.0	50	1000	0.25	5	27.4	125

NOTE: SUFFIX "A" FOR ±5%

RATINGS AND CHARACTERISTIC CURVES DL4728A THRU DL4753A

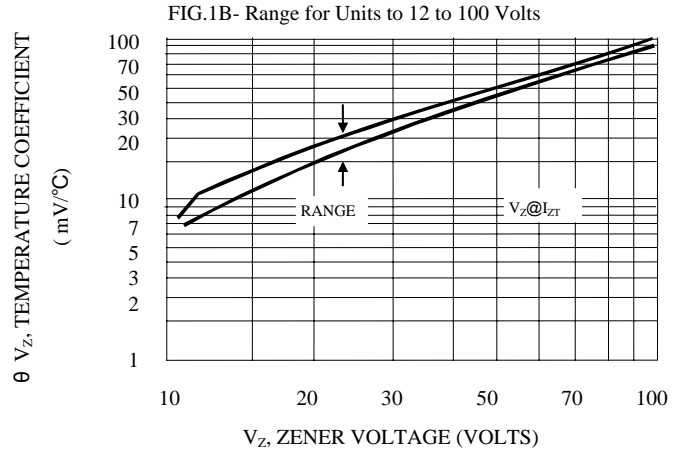
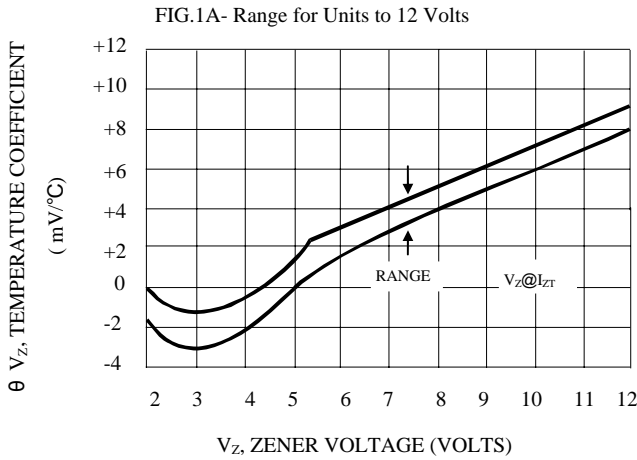


Figure 2. Temperature Coefficients (-55°C to +150°C temperature change; 90% of the units are in the ranges indicated.)

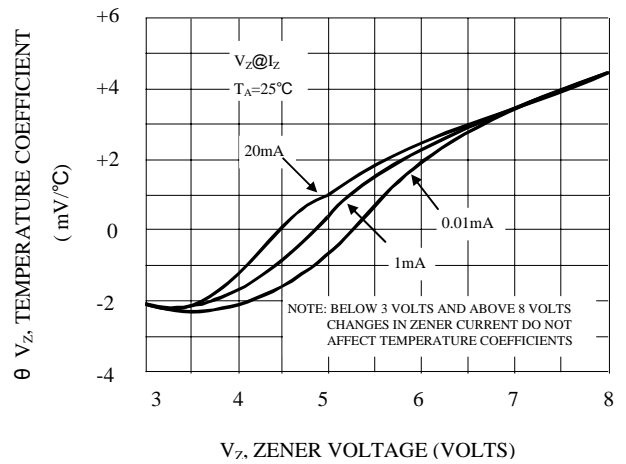
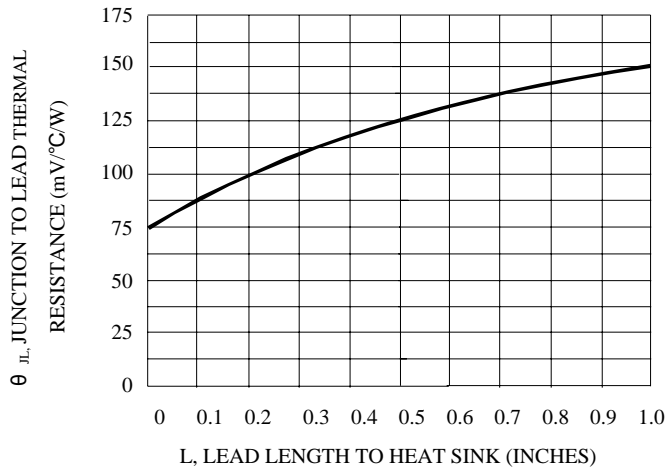


Figure 3. Typical Thermal Resistance versus Lead Length

Figure 4. Effect of Zener Current

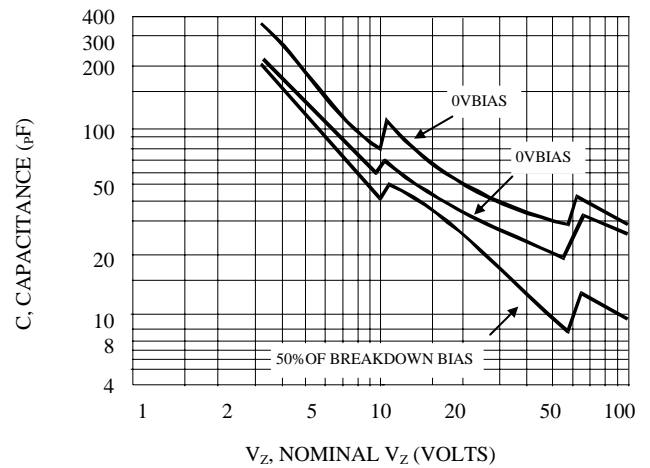
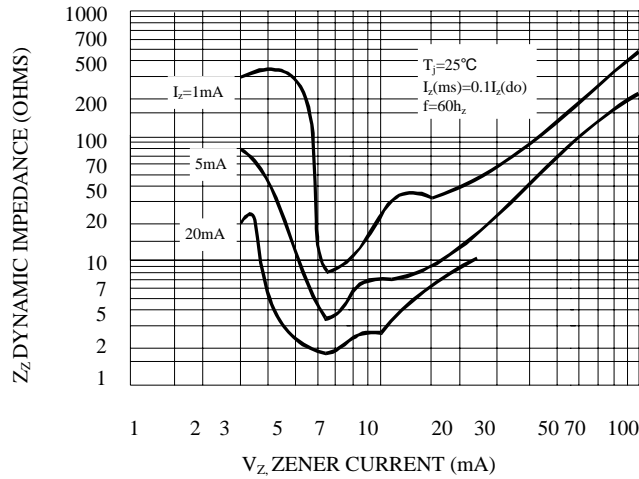


Figure 7 - Power Temperature Derating Curve

