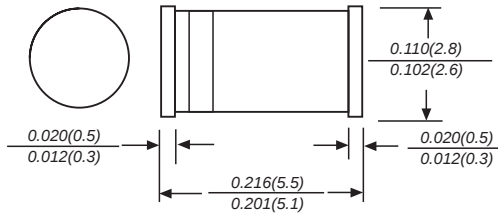


LL-41



Dimensions in inches and (millimeters)

FEATURE

- ◆ Low zener impedance
- ◆ Low regulation factor
- ◆ Glass passivated junction
- ◆ High temperature soldering guaranteed:
260°C/10S at terminals

MECHANICAL DATA

Case: LL-41 molded glass body

Terminals: Plated axial leads, solderable per MIL-STD 750, method 2026

Polarity: Color band denotes cathode end

Mounting Position: Any

Weight: 0.012 ounce, 0.33 grams

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25°C ambient temperature unless otherwise specified.

	SYMBOLS	VALUE	UNITS
Zener Current see Table Characteristics			
Power Dissipation at Tamb=25°C(Note 1)	P _{tot}	1000	mW
Junction Temperature	T _j	175	°C
Storage Temperature Range	T _{STG}	-65 to + 175	°C
Thermal resistance junction ambient(Note 1)	R _{qJA}	0.3	KW
Forward voltage at I _F =200mA	V _F	1.1	V

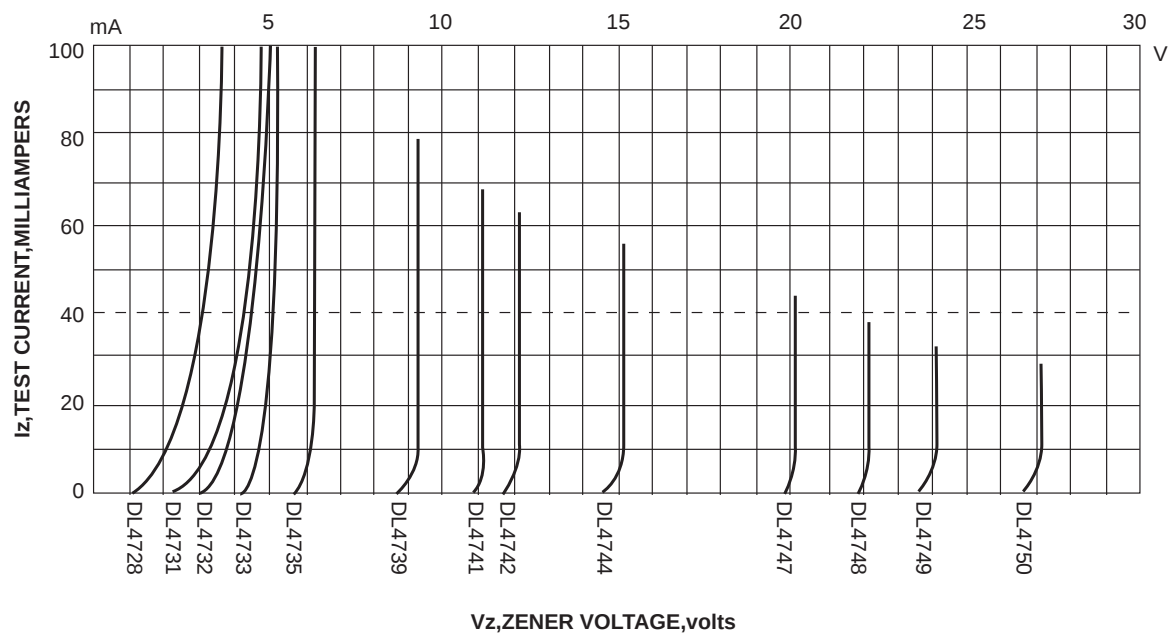
Note 1: Valid provided that leads at a distance of 10mm from case are kept at ambient temperature

T_a=25°C unless otherwise specified

Device Type	Nominal Zener Voltage V _Z @I _{ZT}	Test Current I _{ZT}	Maximum Zener Impedance		Maximum Reverse Leakage Current		I _{ZK}	Max.Surge Current I _R @25°C	Maximum Regulator Current I _{ZM}
	Volts	mA	Z _{ZT} @I _{ZT}	Z _{ZT} @I _{ZK}	I _R	@V _R			
			Ohms	Ohms	mA	Volts			
ZM4728A	3.3	76	10	400	100	1.0	1.0	1380	276
ZM4729A	3.6	69	10	400	100	1.0	1.0	1260	252
ZM4730A	3.9	64	9.0	400	50	1.0	1.0	1170	234
ZM4731A	4.3	58	9.0	400	10	1.0	1.0	1085	217
ZM4732A	4.7	53	8.0	500	10	1.0	1.0	965	193
ZM4733A	5.1	49	7.0	550	10	1.0	1.0	890	178
ZM4734A	5.6	45	5.0	600	10	2.0	1.0	810	162
ZM4735A	6.2	41	2.0	700	10	3.0	1.0	730	146
ZM4736A	6.8	37	3.5	700	10	4.0	1.0	660	133
ZM4737A	7.5	34	4.0	700	10	5.0	0.5	605	121
ZM4738A	8.2	31	4.5	700	10	6.0	0.5	550	110
ZM4739A	9.1	28	5.0	700	10	7.0	0.5	500	100
ZM4740A	10	25	7.0	700	10	7.6	0.25	454	91
ZM4741A	11	23	8.0	700	5.0	8.4	0.25	414	83
ZM4742A	12	21	9.0	700	5.0	9.1	0.25	380	76
ZM4743A	13	19	10	700	5.0	9.9	0.25	344	69
ZM4744A	15	17	14	700	5.0	11.4	0.25	304	61
ZM4745A	16	15.5	16	700	5.0	12.2	0.25	285	57
ZM4746A	18	14	20	750	5.0	13.7	0.25	250	50
ZM4747A	20	12.5	22	750	5.0	15.2	0.25	225	45
ZM4748A	22	11.5	23	750	5.0	16.7	0.25	205	41
ZM4749A	24	10.5	25	750	5.0	18.2	0.25	190	38
ZM4750A	27	9.5	35	750	5.0	20.6	0.25	170	34
ZM4751A	30	8.5	40	1000	5.0	22.8	0.25	150	30
ZM4752A	33	7.5	45	1000	5.0	25.1	0.25	135	27
ZM4753A	36	7.0	50	1000	5.0	27.4	0.25	125	25
ZM4754A	39	6.5	60	1000	5.0	29.7	0.25	115	23
ZM4755A	43	6.0	70	1500	5.0	32.7	0.25	110	22
ZM4756A	47	5.5	80	1500	5.0	35.8	0.25	95	19
ZM4757A	51	5.0	95	1500	5.0	38.8	0.25	90	18
ZM4758A	56	4.5	110	2000	5.0	42.6	0.25	80	16
ZM4759A	62	4.0	125	2000	5.0	47.1	0.25	70	14
ZM4760A	68	3.7	150	2000	5.0	51.7	0.25	65	13
ZM4761A	75	3.3	175	2000	5.0	56.0	0.25	60	12
ZM4762A	82	3.0	200	3000	5.0	62.2	0.25	55	11
ZM4763A	91	2.8	250	3000	5.0	69.2	0.25	50	10
ZM4764A	100	2.5	350	3000	5.0	76.0	0.25	45	9

Note 1: Suffix "A" indicate ±5% tolerance

Breakdown characteristics



Admissible power dissipation versus ambient temperature
Valid provided that leads are kept at ambient temperature at a distance of 10mm from case

