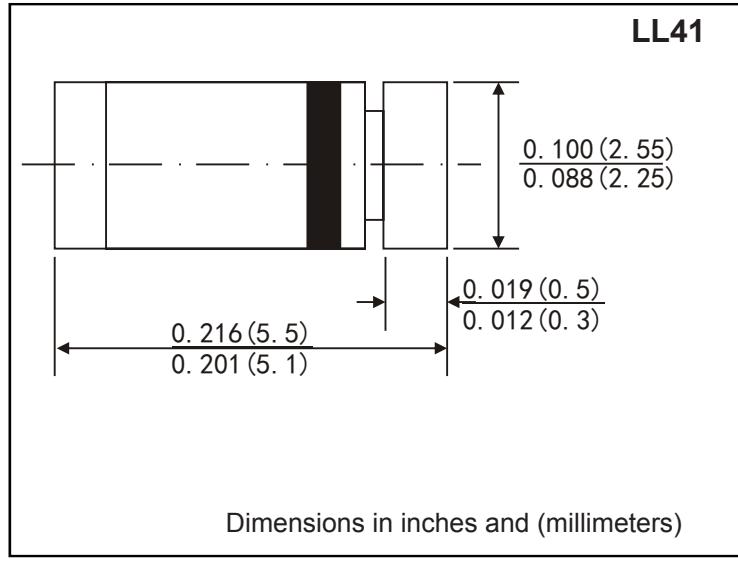


**GLASS ZENER DIODES**
**PEAK PULSE POWER:1000mW**
**FEATURES**

- Low Reverse Leakage
- Low Zener Impedance
- Glass passivated junction
- High Stability and High Reliability

**MECHANICAL DATA**

- Case: LL-41(GLASS) molded glass body
- Polarity: Color band denotes cathode end
- Mounting Position: Any


**MAXIMUM RATINGS AND CHARACTERISTICS**

Ratings at 25°C ambient temperature unless otherwise specified

Parameters	Symbol	Value	Unit
Power Dissipation	Pd	1000 <sup>1)</sup>	mW
Operating junction temperature	Tj	175	°C
Storage temperature range	Ts	-55~+150	°C

1) Valid provided that leads are kept at ambient temperature at a distance of 8mm from case

**Electrical Specification (TA=25°C unless otherwise specified)**

TYPE	Zener Voltage		Reverse Current		Dynamic Resistance	
	Vz(V)	Test Condition	IR(μ A)	Test Condition	rd(Ω)	Test Condition
	nom	Iz(mA)	Max.	VR(V)	Max.	Iz(mA)
DL4728A	3.3	76.0	100	1.0	10	76.0
DL 4729A	3.6	69.0	100	1.0	10	69.0
DL 4730A	3.9	64.0	50	1.0	9	64.0
DL 4731A	4.3	58.0	10	1.0	9	58.0
DL 4732A	4.7	53.0	10	1.0	8	53.0
DL 4733A	5.1	49.0	10	1.0	7	49.0
DL 4734A	5.6	45.0	10	2.0	5	45.0
DL 4735A	6.2	41.0	10	3.0	2	41.0



HFZT

# RATINGS AND CHARACTERISTIC CURVES

Electrical Specification ( $T_A=25^\circ C$  unless otherwise specified)

TYPE	Zener Voltage		Reverse Current		Dynamic Resistance	
	Vz(V)	Test Condition	IR( $\mu A$ )	Test Condition	rd( $\Omega$ )	est Condition
	nom	Iz(mA)	Max.	VR(V)	Max.	Iz(mA)
DL 4736A	6.8	37.0	10	4.0	3.5	37.0
DL 4737A	7.5	34.0	10	5.0	4	34.0
DL 4738A	8.2	31.0	10	6.0	4.5	31.0
DL 4739A	9.1	28.0	10	7.0	5	28.0
DL 4740A	10	25.0	10	7.6	7	25.0
DL 4741A	11	23.0	5	8.4	8	23.0
DL 4742A	12	21.0	5	9.1	9	21.0
DL 4743A	13	19.0	5	9.9	10	19.0
DL 4744A	15	17.0	5	11.4	14	17.0
DL 4745A	16	15.5	5	12.2	16	15.5
DL 4746A	18	14.0	5	13.7	20	14.0
DL 4747A	20	12.5	5	15.2	22	12.5
DL 4748A	22	11.5	5	16.7	23	11.5
DL 4749A	24	10.5	5	18.2	25	10.5
DL 4750A	27	9.5	5	20.6	35	9.5
DL 4751A	30	8.5	5	22.8	40	8.5
DL 4752A	33	7.5	5	25.1	45	7.5
DL 4753A	36	7.0	5	27.4	50	7.0
DL 4754A	39	6.5	5	29.7	60	6.5
DL 4755A	43	6.0	5	32.7	70	6.0
DL 4756A	47	5.5	5	35.8	80	5.5
DL 4757A	51	5.0	5	38.8	95	5.0
DL 4758A	56	4.5	5	42.6	110	4.5
DL 4759A	62	4.0	5	47.1	125	4.0
DL 4760A	68	3.7	5	51.7	150	3.7
DL 4761A	75	3.3	5	56.0	175	3.3
DL 4762A	82	3.0	5	62.2	200	3.0
DL 4763A	91	2.8	5	69.2	250	2.8
DL 4764A	100	2.5	5	76.0	350	2.5

Notes:

- 1) Valid provided that leads at a distance of 8 mm from case are kept at ambient temperature.
- 2) Measured under thermal equilibrium and DC test conditions.
- 3) The rating listed in the electrical characteristics table is maximum peak, non-repetitive, reverse surge current of 1/2 square wave or equivalent sine wave pulse of 1/120 second duration superimposed on the test current, IZT ,per JEDEC registration; however, actual device capability is as described in Figure 5 of the General Data-DO-41 Glass.



## RATINGS AND CHARACTERISTIC CURVES

4) Tested with pulses tp = 20 ms.

5) VF(Max)=1.20V@ IF=200mA

\* Measure under thermal equilibrium and DC current test conditions(TA=25°C)

Tolerance on nominal Vz value: ±5%.

Tight tolerances on preferred voltages: DL47...C: ±2%;

DL47...D: ±1%.

These diodes are also available in DO-41 case with the type designation 1N4728...1N4764