

GLL4735 THRU GLL4763

1.0 WATT SURFACE MOUNT GLASS PASSIVATED ZENER

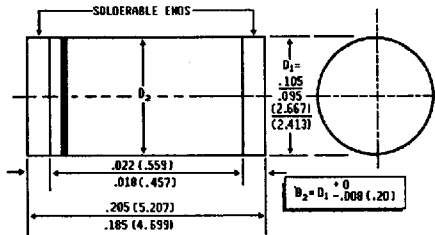
Voltage - 6.2-91.0 Volts Power Rating - 1.0 Watt

FEATURES

- ◆ Plastic package has Underwriter Laboratory Flammability Classification 94 V-0
- ◆ For surface mounted applications
- ◆ Glass passivated chip junction
- ◆ Low zener impedance
- ◆ Excellent clamping capability
- ◆ High temperature soldering guaranteed: 250°C/10 seconds/ at terminals



DO-213AB



Dimensions in inches
and
(millimeters)

MECHANICAL DATA

Case: JEDEC DO-213AB Molded plastic over passivated junction

Terminals: Solder plated, Solderable per MIL-STD-750, Method 2026

Polarity: Red band denotes cathode

Mounting Position: Any **Handling Precautions:** None

Weight: 0.116 grams, 0.0046 ounce

Ratings at 25°C ambient temperature unless otherwise specified.

OPERATING JUNCTION AND STORAGE TEMPERATURE RANGE: -55°C to +150°C

Type	*Nominal Zener Voltage at I _{ZT} V _Z Volts	Maximum DC Power Dissipation at T _J =75°C PD Watts	Test Current I _{ZT} mA	Maximum Dynamic Impedance			Maximum DC Reverse Leakage Current		Maximum Surge Current (NOTE 1) I _{SM} mApk	Maximum Forward Voltage at 200mA V _F Volts
				Z _{ZT} at I _{ZT} Ohms	Z _{ZK} at I _{ZK} Ohms	I _{ZK} mA	I _R μA	V _R Volts		
GLL4735	6.2	1.0	41.0	2.0	700	1.0	10.0	3.0	730.0	1.2
GLL4736	6.8	1.0	37.0	3.5	700	1.0	10.0	4.0	660.0	1.2
GLL4737	7.5	1.0	34.0	4.0	700	0.5	10.0	5.0	605.0	1.2
GLL4738	8.2	1.0	31.0	4.5	700	0.5	10.0	6.0	550.0	1.2
GLL4739	9.1	1.0	28.0	5.0	700	0.5	10.0	7.0	500.0	1.2
GLL4740	10	1.0	25.0	7.0	700	0.25	10.0	7.6	454.0	1.2
GLL4741	11	1.0	23.0	8.0	700	0.25	5.0	8.4	414.0	1.2
GLL4742	12	1.0	21.0	9.0	700	0.25	5.0	9.1	380.0	1.2
GLL4743	13	1.0	19.0	10.0	700	0.25	5.0	9.9	344.0	1.2
GLL4744	15	1.0	17.0	14.0	700	0.25	5.0	11.4	305.0	1.2
GLL4745	16	1.0	15.5	16.0	700	0.25	5.0	12.2	285.0	1.2
GLL4746	18	1.0	14.0	20.0	750	0.25	5.0	13.7	250.0	1.2
GLL4747	20	1.0	12.5	22.0	750	0.25	5.0	15.2	225.0	1.2
GLL4748	22	1.0	11.5	23.0	750	0.25	5.0	16.7	205.0	1.2
GLL4749	24	1.0	10.5	25.0	750	0.25	5.0	18.2	190.0	1.2
GLL4750	27	1.0	9.5	35.0	750	0.25	5.0	20.6	170.0	1.2
GLL4751	30	1.0	8.5	40.0	1000	0.25	5.0	22.8	150.0	1.2
GLL4752	33	1.0	7.5	45.0	1000	0.25	5.0	25.1	135.0	1.2
GLL4753	36	1.0	7.0	50.0	1000	0.25	5.0	27.4	125.0	1.2
GLL4754	39	1.0	6.5	60.0	1000	0.25	5.0	29.7	115.0	1.2
GLL4755	43	1.0	6.0	70.0	1500	0.25	5.0	32.7	110.0	1.2
GLL4756	47	1.0	5.5	80.0	1500	0.25	5.0	35.8	95.0	1.2
GLL4757	51	1.0	5.0	95.0	1500	0.25	5.0	38.8	90.0	1.2
GLL4758	56	1.0	4.5	110.0	2000	0.25	5.0	42.6	80.0	1.2
GLL4759	62	1.0	4.0	125.0	2000	0.25	5.0	47.1	70.0	1.2
GLL4760	68	1.0	3.7	150.0	2000	0.25	5.0	51.7	65.0	1.2
GLL4761	75	1.0	3.3	175.0	2000	0.25	5.0	56.0	60.0	1.2
GLL4762	82	1.0	3.0	200.0	3000	0.25	5.0	62.2	55.0	1.2
GLL4763	91	1.0	2.0	250.0	3000	0.25	5.0	69.2	50.0	1.2

*Standard Voltage Tolerance ±10%, Suffix A ±5%

NOTE 1: Surge Current is a non-repetitive, 8.3 mS pulse width square wave or equivalent sine-wave superimposed on I_{ZT} per JEDEC method.

FIG. 1 — MAXIMUM CONTINUOUS POWER DISSIPATION

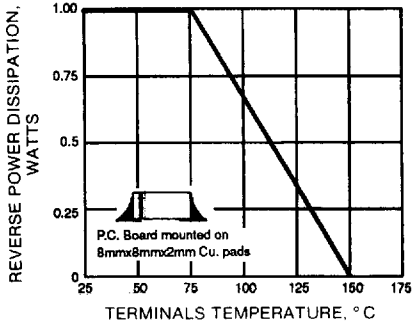


FIGURE 2 — TYPICAL ZENER IMPEDANCE

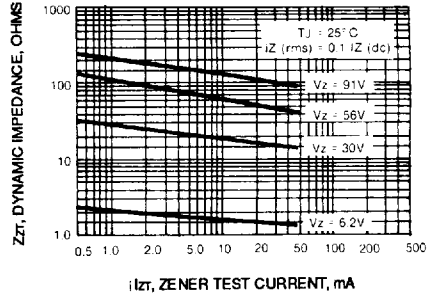


FIG. 3 — TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS

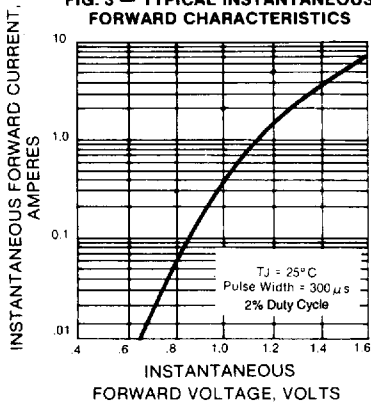


FIG. 4 — TYPICAL REVERSE CHARACTERISTICS

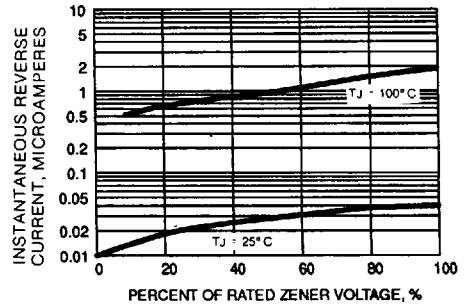


FIG. 5 — TYPICAL TEMPERATURE COEFFICIENTS

