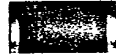


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ZGL41-100 THRU ZGL41-200

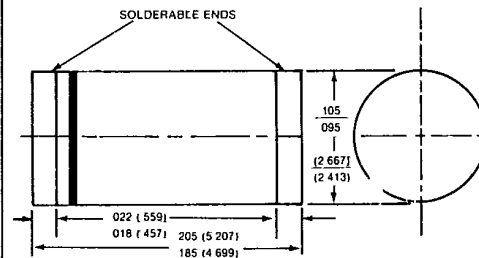
1.0 WATT SURFACE MOUNT GLASS PASSIVATED ZENER

**GENERAL
INSTRUMENT****FEATURES**

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

MECHANICAL DATA

Case: Molded plastic
 Terminals: Solderable per MIL-STD-202m
 Method 208
 Polarity: Red band denotes cathode
 Mounting Position: Any
 Handling precautions: None
 Weight: 0.116 grams, 0.0046 ounce



Dimensions in inches and (millimeters)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25° C ambient temperature unless otherwise specified
 Single phase, half wave, 60 Hz, resistive or inductive load.
 For capacitive load, derate current by 20%

The plastic material covering the glass passivated junction carries U/L recognition 94V-0.

OPERATING AND STORAGE TEMPERATURE RANGE -65° C to +175° C

Type	*Nominal Zener Voltage @ Izt	Maximum DC Power Dissipation @ Tt = 75° C	Test Current	Maximum Dynamic Impedance			Maximum Reverse Leakage Current @ TA = 25° C		Maximum Surge Current @ TA=25° C (Note 1)	Maximum Forward Voltage @ 200mA @ TA=25° C
				ZZT	ZZK @ 1ZK		Ir	Vr		
	Vz	PD	Izt	OHMs	OHMs	mA	A	Volts	Izm	Vf
	Volts	Watts	mA						mAdc	Volts
ZGL41-100	100	1.0	3.7	250	3100	0.25	1.0	76.0	10.0	1.5
ZGL41-110	110	1.0	3.4	300	4000	0.25	1.0	83.6	9.1	1.5
ZGL41-120	120	1.0	3.1	380	4500	0.25	1.0	91.2	8.3	1.5
ZGL41-130	130	1.0	2.9	450	5000	0.25	1.0	98.8	7.7	1.5
ZGL41-140	140	1.0	2.7	525	5500	0.25	1.0	106.4	7.1	1.5
ZGL41-150	150	1.0	2.5	600	6000	0.25	1.0	114	6.7	1.5
ZGL41-160	160	1.0	2.3	700	6500	0.25	1.0	121.6	6.3	1.5
ZGL41-170	170	1.0	2.2	800	6750	0.25	1.0	129.2	5.9	1.5
ZGL41-180	180	1.0	2.1	900	7000	0.25	1.0	136.98	5.6	1.5
ZGL41-190	190	1.0	2.0	1050	7500	0.25	1.0	144.4	5.3	1.5
ZGL41-200	200	1.0	1.9	1200	8000	0.25	1.0	152	5.0	1.5

*Standard Voltage Tolerance +10%, Suffix A +5%.

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RATING AND CHARACTERISTIC CURVES
ZGL41-100 THRU ZGL41-200

FIG. 1 — MAXIMUM CONTINUOUS POWER DISSIPATION

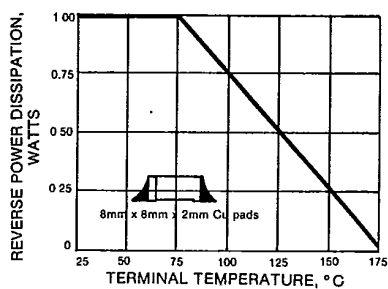


FIG. 2 — TYPICAL ZENER IMPEDANCE

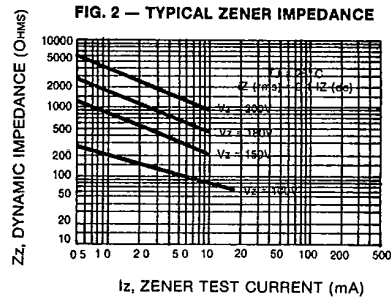


FIG. 3 — TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS

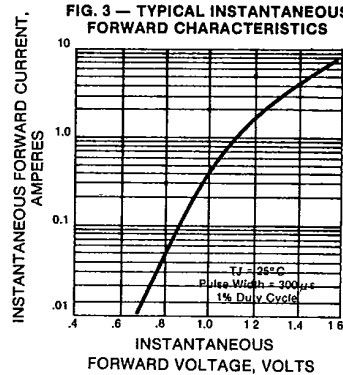


FIG. 4 — TYPICAL REVERSE CHARACTERISTICS

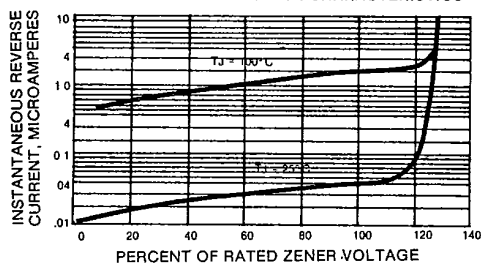


FIG. 5 — TYPICAL TEMPERATURE COEFFICIENTS

