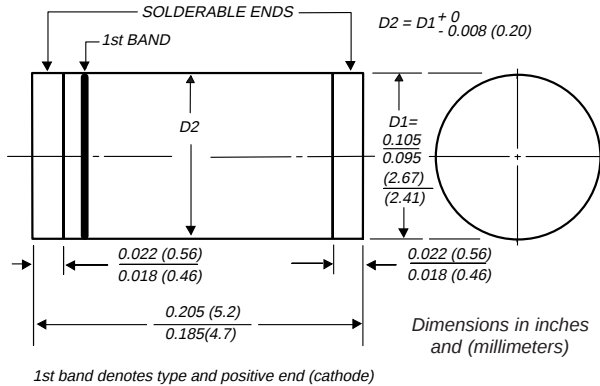


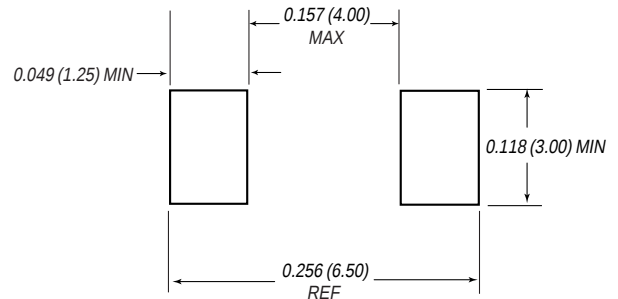


Surface Mount Glass Passivated Zeners

DO-213AB

Zener Voltage 100 to 200V
Steady State Power 1.0W

Mounting Pad Layout



Features

- Plastic package has Underwriters Laboratory Flammability Classification 94V-0
- For surface mount applications
- Glass passivated junction
- Low Zener impedance
- Low regulation factor
- High temperature soldering guaranteed: 250°C/10 seconds at terminals

Mechanical Data

Case: JEDEC DO-213AB molded plastic body over passivated junction**Terminals:** Solder plated, solderable per MIL-STD-750, Method 2026**Polarity:** Red band denotes Zener diode and positive end (cathode)**Mounting Position:** Any**Weight:** 0.0046 oz., 0.116 g**Packaging codes/options:**

26/5K per 13" Reel (12mm tape), 60K/box

46/1.5K per 7" Reel (12mm tape), 30K/box

Maximum Ratings and Electrical Characteristics ($T_A = 25^\circ\text{C}$ unless otherwise noted)Operating junction and storage temperature range: T_J, T_{STG} : -55°C to $+150^\circ\text{C}$

Type	Nominal Zener Voltage at I_{ZT} (Note 1) V_Z (V)	Test Current I_{ZT} (mA)	Maximum Zener Dynamic Impedance			Maximum DC Reverse Leakage Current at V_R		Maximum Surge Current (Note 2) I_{RM} (mA dc)	Max. Instantaneous Forward Voltage at 200mA V_F (V)
			Z_{ZT} at I_{ZT} (Ω)	Z_{ZK} at I_{ZK} (Ω)	(mA)	I_R (μA)	V_R (V)		
ZGL41-100	100	3.7	250	3100	0.25	1.0	76.0	10.0	1.5
ZGL41-110	110	3.4	300	4000	0.25	1.0	83.6	9.1	1.5
ZGL41-120	120	3.1	380	4500	0.25	1.0	91.2	8.3	1.5
ZGL41-130	130	2.9	450	5000	0.25	1.0	98.8	7.7	1.5
ZGL41-140	140	2.7	525	5500	0.25	1.0	106.4	7.1	1.5
ZGL41-150	150	2.5	600	6000	0.25	1.0	114.0	6.7	1.5
ZGL41-160	160	2.3	700	6500	0.25	1.0	121.6	6.3	1.5
ZGL41-170	170	2.2	800	6750	0.25	1.0	129.2	5.9	1.5
ZGL41-180	180	2.1	900	7000	0.25	1.0	136.9	5.6	1.5
ZGL41-190	190	2.0	1050	7500	0.25	1.0	144.4	5.3	1.5
ZGL41-200	200	1.9	1200	8000	0.25	1.0	152.0	5.0	1.5

Notes:

(1) Standard voltage tolerance is $\pm 10\%$, Suffix A = $\pm 5\%$ (2) Surge current is a non-repetitive, 8.3ms pulse width square wave or equivalent sine-wave superimposed on I_{ZT} per JEDEC Method(3) Maximum steady state power dissipation is 1.0 watt at $T_J = 75^\circ\text{C}$

Ratings and Characteristic Curves ($T_A = 25^\circ\text{C}$ unless otherwise noted)

Fig. 1 – Maximum Continuous Power Dissipation

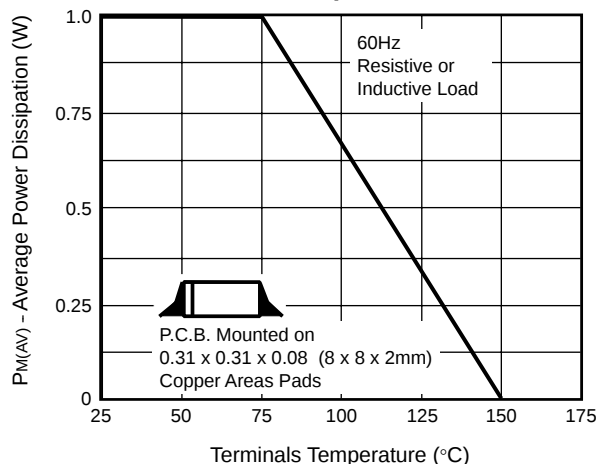


Fig. 2 – Typical Zener Impedance

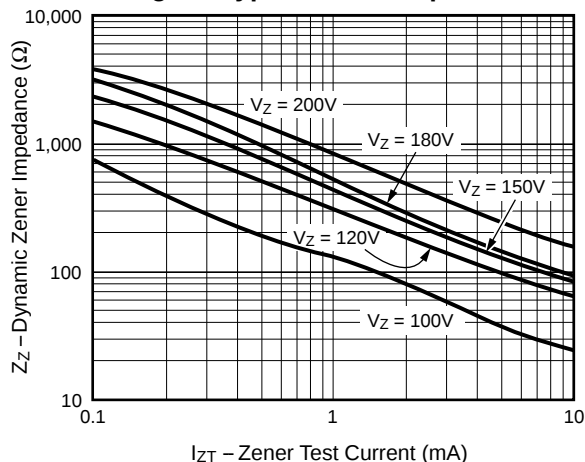


Fig. 3 – Typical Instantaneous Forward Characteristics

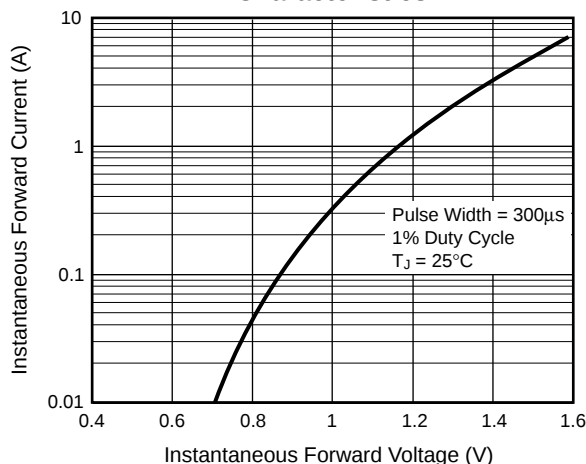


Fig. 4 – Typical Reverse Characteristics

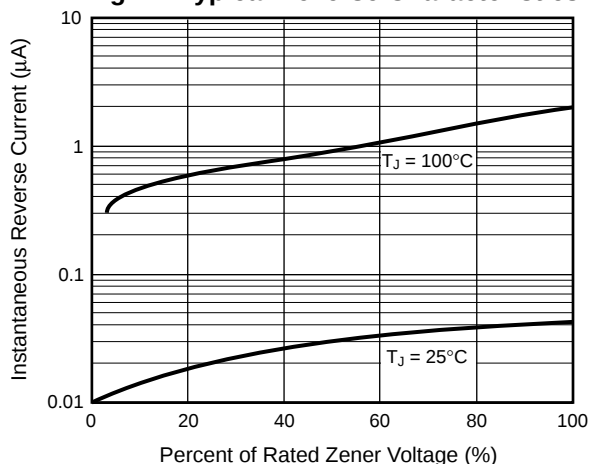


Fig. 5 – Steady State Power Derating Curve

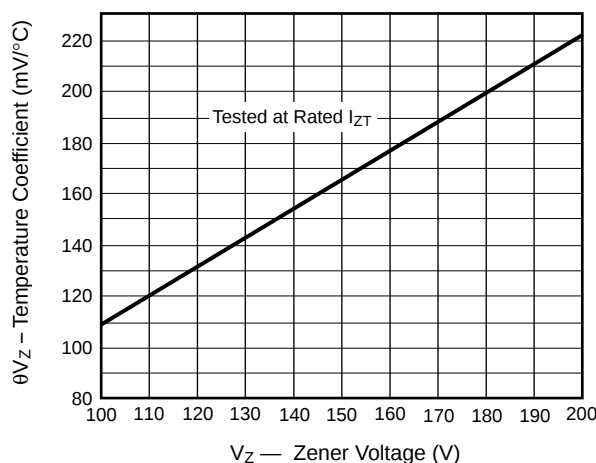


Fig. 6 – Typical Zener Voltage

