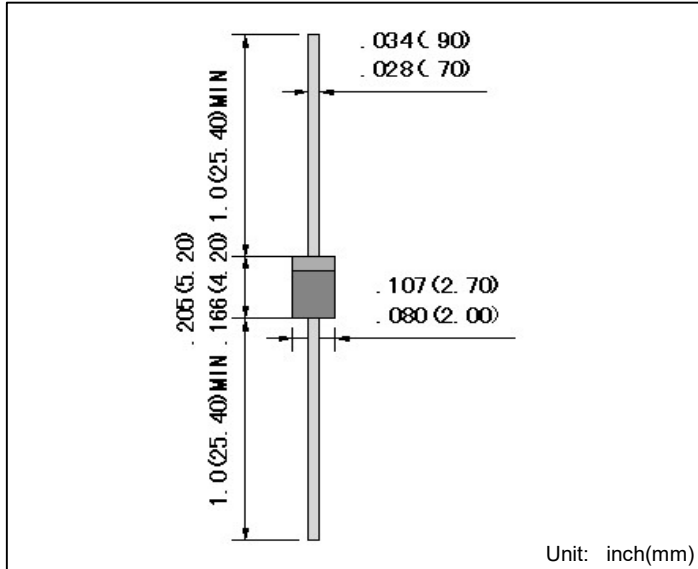


D0-41



Features

- Glass passivated chip
- Built-in strain relief
- Low inductance
- High peak reverse power dissipation
- Low reverse leakage
- For use in stabilizing and clipping with high power rating
- RoHS compliant

Mechanical Data

- Case: D0-41 Molded plastic
- Lead: Solderable per MIL-STD-750, method 2026
- Epoxy: UL 94V-0 rate flame retardant
- Polarity: Color band denotes cathode end
- Mounting position: Any

Parameter	Symbols	Value	Unit
DC Power dissipation at $T_L = 75^\circ\text{C}^{(1)}$	P_D	2.0	W
Maximum forward voltage at $I_F=200\text{mA}$	V_F	1.2	V
Junction temperature range	T_J, T_{STG}	-55 to +150	$^\circ\text{C}$
Storage temperature range	T_J, T_{STG}	-55 to +150	$^\circ\text{C}$

Note:

(1) T_L =Lead temperature at 3/8'' (9.5mm) from body

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

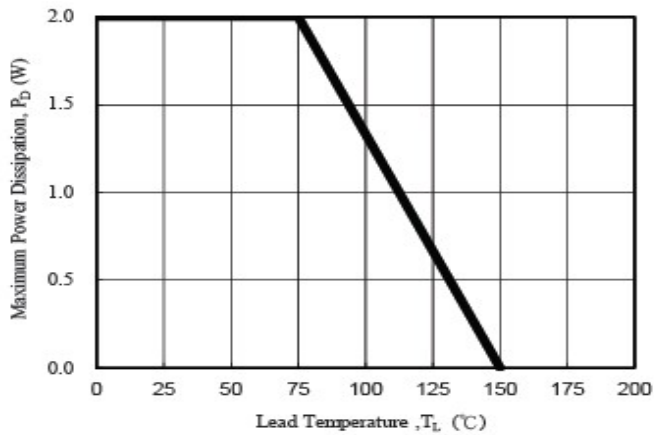


Fig. 1 - Power Temperature Derating Curve

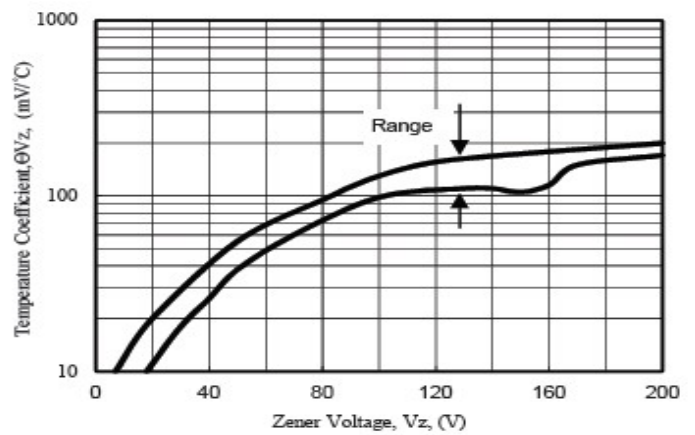


Fig. 2 - Temperature Coefficients v.s. Zener Voltage

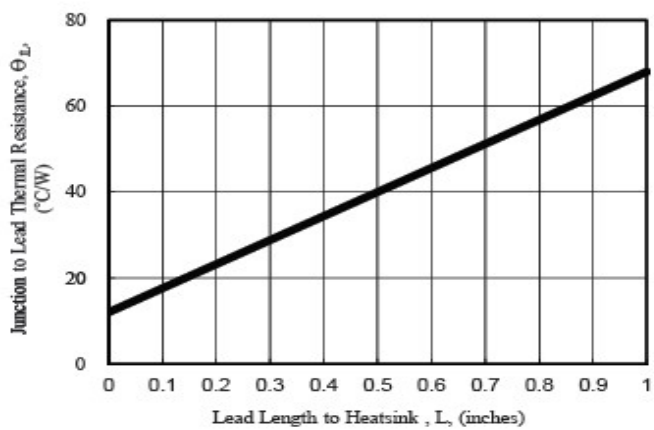


Fig. 3 - Typical Thermal Resistance v.s. Lead Length

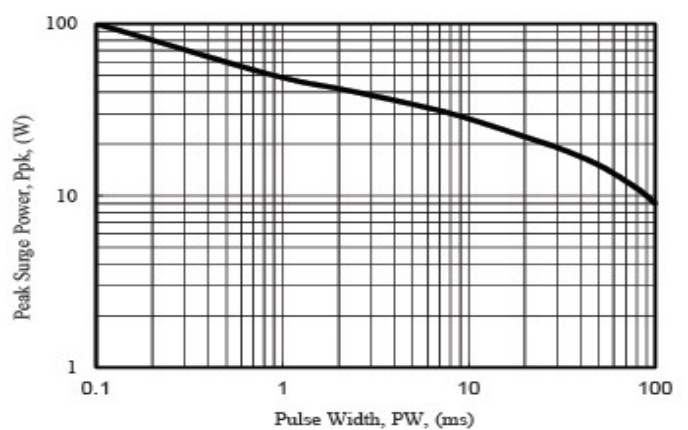


Fig. 4 - Maximum Surge Power

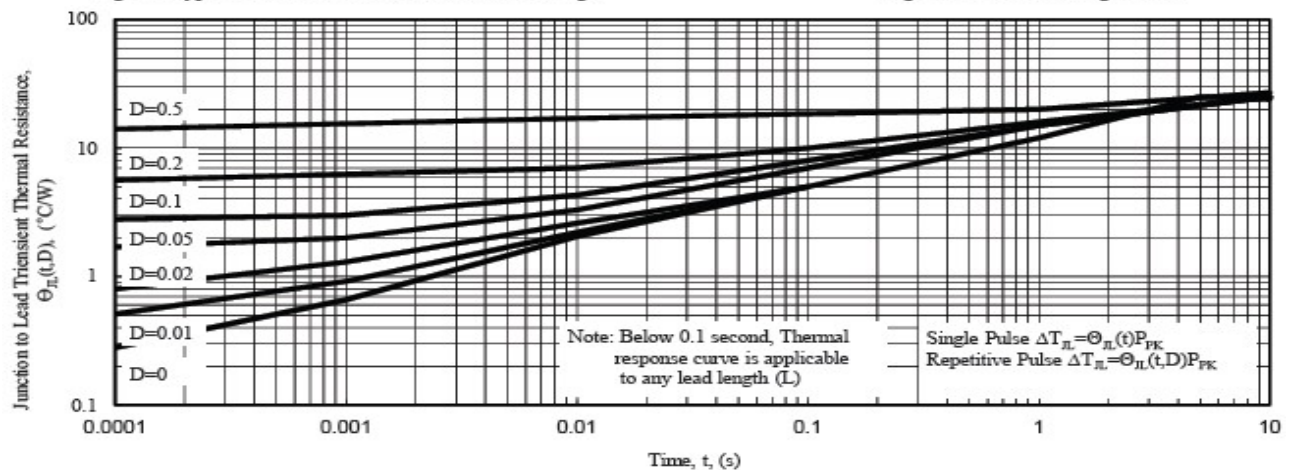


Fig. 5 - Typical Thermal Response L, Lead Length=3/8inch

Part Number	Nominal Zener Voltage @I _T			I _{ZT} (mA)	Maximum Zener Impedance			Maximum Reverse Leakage Current		Maximum DC Zener Current
	V _{Z AVE.} (V)	V _{Z MIN.} (V)	V _{Z MAX.} (V)		Z _{ZT MAX.} (Ω) @I _{ZT}	Z _{ZK MAX.} (Ω) @I _{ZK}	I _{ZK} (mA)	I _R (μA)@ V _R	V _R (V)	I _{ZM} (mA)
2EZ3.3A	3.3	3.14	3.47	145.0	8.0	400	1.00	100	1.0	548.0
2EZ3.6A	3.6	3.42	3.78	139.0	5.0	400	1.00	100	1.0	502.0
2EZ3.9A	3.9	3.71	4.10	128.0	5.0	400	1.00	50	1.0	464.0
2EZ4.3A	4.3	4.09	4.52	116.0	4.5	400	1.00	50	1.0	421.0
2EZ4.7A	4.7	4.47	4.94	106.0	4.5	550	1.00	10	1.0	385.0
2EZ5.1A	5.1	4.85	5.36	98.0	3.5	600	1.00	10	1.0	354.0
2EZ5.6A	5.6	5.32	5.88	89.5	2.5	500	1.00	10	2.0	323.0
2EZ6.2A	6.2	5.89	6.51	80.5	1.5	700	1.00	10	3.0	292.0
2EZ6.8A	6.8	6.46	7.14	73.5	2.0	700	1.00	10	4.0	266.0
2EZ7.5A	7.5	7.13	7.88	66.5	2.0	700	0.50	10	5.0	242.0
2EZ8.2A	8.2	7.79	8.61	61.0	2.3	700	0.50	10	6.0	220.0
2EZ9.1A	9.1	8.65	9.56	55.0	2.5	700	0.50	10	7.0	200.0
2EZ10A	10.0	9.50	10.50	50.0	3.5	700	0.25	10	7.6	182.0
2EZ11A	11.0	10.45	11.55	45.5	4.0	700	0.25	0.5	8.4	166.0
2EZ12A	12.0	11.40	12.60	41.5	4.5	700	0.25	0.5	9.1	152.0
2EZ13A	13.0	12.35	13.65	38.5	5.0	700	0.25	0.5	9.9	138.0
2EZ14A	14.0	13.30	14.70	35.7	5.5	700	0.25	0.5	10.6	130.0
2EZ15A	15.0	14.25	15.75	33.4	7.0	700	0.25	0.5	11.4	122.0
2EZ16A	16.0	15.20	16.80	31.2	8.0	700	0.25	0.5	12.2	114.0
2EZ17A	17.0	16.15	17.85	29.4	9.0	750	0.25	0.5	13.0	107.0
2EZ18A	18.0	17.10	18.90	27.8	10.0	750	0.25	0.5	13.7	100.0
2EZ19A	19.0	18.05	19.95	26.3	11.0	750	0.25	0.5	14.4	95.0
2EZ20A	20.0	19.00	21.00	25.0	11.0	750	0.25	0.5	15.2	90.0
2EZ22A	22.0	20.90	23.10	22.8	12.0	750	0.25	0.5	16.7	82.0
2EZ24A	24.0	22.80	25.20	20.8	13.0	750	0.25	0.5	18.2	76.0
2EZ27A	27.0	25.65	28.35	18.5	18.0	750	0.25	0.5	20.6	68.0
2EZ30A	30.0	28.50	31.50	16.6	20.0	1000	0.25	0.5	22.5	60.0
2EZ33A	33.0	31.35	34.65	15.1	23.0	1000	0.25	0.5	25.1	55.0
2EZ36A	36.0	34.20	37.80	13.9	25.0	1000	0.25	0.5	27.4	50.0
2EZ39A	39.0	37.05	40.95	12.8	30.0	1000	0.25	0.5	29.7	47.0
2EZ43A	43.0	40.85	45.15	11.6	35.0	1500	0.25	0.5	32.7	43.0
2EZ47A	47.0	44.65	49.35	10.6	40.0	1500	0.25	0.5	35.8	39.0
2EZ51A	51.0	48.45	53.55	9.8	48.0	1500	0.25	0.5	38.8	36.0
2EZ56A	56.0	53.20	58.80	9.0	55.0	2000	0.25	0.5	42.6	32.0
2EZ62A	62.0	58.90	65.10	8.1	60.0	2000	0.25	0.5	47.1	29.0
2EZ68A	68.0	64.60	71.40	7.4	75.0	2000	0.25	0.5	51.7	27.0
2EZ75A	75.0	71.25	78.75	6.7	90.0	2000	0.25	0.5	56.0	24.0
2EZ82A	82.0	77.90	86.10	6.1	100.0	3000	0.25	0.5	62.2	22.0
2EZ91A	91.0	86.45	95.55	5.5	125.0	3000	0.25	0.5	69.2	20.0
2EZ100A	100.0	95.00	105.00	5.0	175.0	3000	0.25	0.5	76.0	18.0
2EZ110A	110.0	104.50	115.50	4.5	250.0	4000	0.25	0.5	83.6	17.0
2EZ120A	120.0	114.00	126.00	4.2	325.0	4500	0.25	0.5	91.2	15.0
2EZ130A	130.0	123.50	136.50	3.8	400.0	5000	0.25	0.5	98.8	14.0
2EZ140A	140.0	133.00	147.00	3.6	500.0	5500	0.25	0.5	106.4	13.0
2EZ150A	150.0	142.50	157.50	3.3	575.0	6000	0.25	0.5	114.0	12.0
2EZ160A	160.0	152.00	168.00	3.1	650.0	6500	0.25	0.5	121.6	11.0
2EZ170A	170.0	161.50	178.50	2.9	675.0	7000	0.25	0.5	130.4	11.0
2EZ180A	180.0	171.00	189.00	2.8	725.0	7000	0.25	0.5	136.8	10.0
2EZ190A	190.0	180.50	199.50	2.6	825.0	8000	0.25	0.5	144.8	10.0
2EZ200A	200.0	190.00	210.00	2.5	1900.0	9990	0.25	0.5	152.0	9.0