

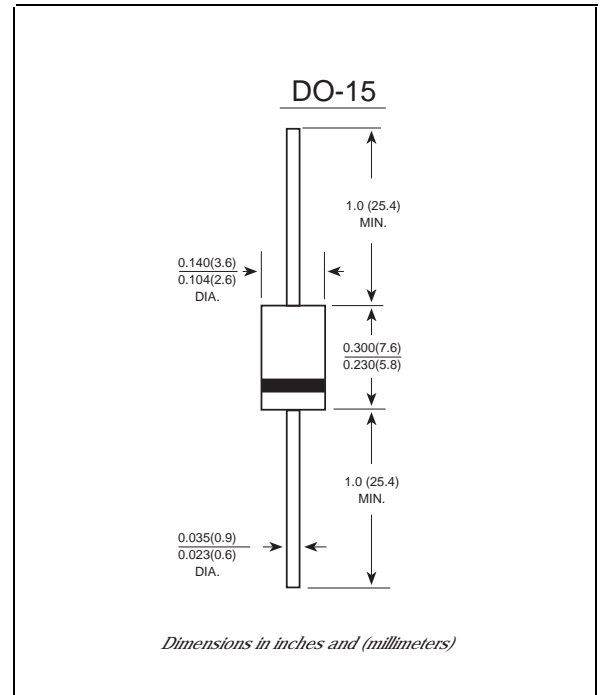
2EZ6.8~2EZ51
2000mW Zener Diodes

Features

- ◆ Low zener impedance
- ◆ Low regulation factor
- ◆ Glass passivated junction
- ◆ High temperature soldering guaranteed:
260°C/10 seconds at terminals

Mechanical Data

Case: JEDEC DO-15 molded glass body
 Terminals: solderable per MIL-STD-750, Method 2026
 Polarity: Color band denotes cathode end
 Mounting Position: Any
 Weight: 0.014 ounce, 0.40 grams



Maximum Ratings And Electrical Characteristics

Ratings at 25 C ambient temperature unless otherwise specified.

Parameter	Symbol	Value	Units
Peak Pulse Power Dissipation on $T_L=50^{\circ}\text{C}$ (Notes A) Derate above 50°C	P_D	2	Watts
Peak Forward Surge Current 8.3ms single half sine-wave superimposed on rated load	I_{FSM}	15	Amps
Operating Junction and Storage Temperature Range	T_J, T_{STG}	-55 to + 150	$^{\circ}\text{C}$

NOTES:

- A. Mounted on 5.0mm² (.013mm thick) land areas.
- B. Measured on 8.3ms, and single half sine-wave or equivalent square wave, duty cycle=4 pulses per minute maximum.
- C. Tolerance and Type Number Designation. The type numbers listed have a standard tolerance on the nominal zener voltage of $\pm 5\%$.

Electrical Characteristics (at T_A = 25°C unless otherwise noted)

Part Number	Nominal Zener Voltage			Maximum Zener Impedance				Leakage Current		Marking Code
	V _Z @ I _{ZT}			Z _{ZT} @ I _{ZT}		Z _{ZK} @ I _{ZK}		I _R @ V _R		
	Nom. V	Min. V	Max. V	Ω	mA	Ω	mA	uA	V	
2.0 Watt ZENER										
2EZ6.8	6.8	6.46	7.14	2	73.5	700	1	5	4	2EZ6.8
2EZ7.5	7.5	7.13	7.88	2	66.5	700	0.5	5	5	2EZ7.5
2EZ8.2	8.2	7.79	8.61	2	61	700	0.5	5	6	2EZ8.2
2EZ8.7	8.7	8.27	9.14	2	58	700	0.5	4	6.6	2EZ8.7
2EZ9.1	9.1	8.65	9.56	3	55	700	0.5	3	7	2EZ9.1
2EZ10	10	9.5	10.5	4	50	700	0.25	3	7.6	2EZ10
2EZ11	11	10.45	11.55	4	45.5	700	0.25	1	8.4	2EZ11
2EZ12	12	11.4	12.6	5	41.5	700	0.25	1	9.1	2EZ12
2EZ13	13	12.35	13.65	5	38.5	700	0.25	0.5	9.9	2EZ13
2EZ14	14	13.3	14.7	6	35.7	700	0.25	0.5	10.6	2EZ14
2EZ15	15	14.25	15.75	7	33.4	700	0.25	0.5	11.4	2EZ15
2EZ16	16	15.2	16.8	8	31.2	700	0.25	0.5	12.2	2EZ16
2EZ17	17	16.15	17.85	9	29.4	750	0.25	0.5	13	2EZ17
2EZ18	18	17.1	18.9	10	27.8	750	0.25	0.5	13.7	2EZ18
2EZ19	19	18.05	19.95	11	26.3	750	0.25	0.5	14.4	2EZ19
2EZ20	20	19	21	11	25	750	0.25	0.5	15.2	2EZ20
2EZ22	22	20.9	23.1	12	22.8	750	0.25	0.5	16.7	2EZ22
2EZ24	24	22.8	25.2	13	20.8	750	0.25	0.5	18.2	2EZ24
2EZ25	25	23.75	26.25	14	20	750	0.25	0.5	19	2EZ25
2EZ27	27	25.65	28.35	18	18.5	750	0.25	0.5	20.6	2EZ27
2EZ28	28	26.6	29.4	18	17	750	0.25	0.5	21.3	2EZ28
2EZ30	30	28.5	31.5	20	16.6	1000	0.25	0.5	22.5	2EZ30
2EZ33	33	31.35	34.65	23	15.1	1000	0.25	0.5	25.1	2EZ33
2EZ36	36	34.2	37.8	25	13.9	1000	0.25	0.5	27.4	2EZ36
2EZ39	39	37.05	40.95	30	12.8	1000	0.25	0.5	29.7	2EZ39
2EZ43	43	40.85	45.15	35	11.6	1500	0.25	0.5	32.7	2EZ43
2EZ47	47	44.65	49.35	40	10.6	1500	0.25	0.5	35.8	2EZ47
2EZ51	51	48.45	53.55	48	9.8	1500	0.25	0.5	38.8	2EZ51