

2EZ11~2EZ39

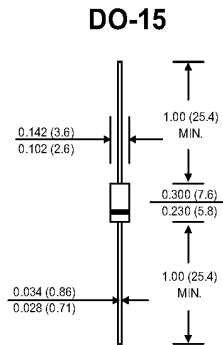
2 W Silicon Zener Diodes

Features

- Low profile package
- Built-in strain relief
- Glass passivated junction
- Low inductance
- Plastic package has Underwriters Laboratory Flammability Classification 94V-0

Mechanical Data

- Case: JEDEC DO-15, Molded plastic over passivated junction
- Terminals: Solder plated, solderable per MIL-STD-202G, method 208
- Polarity: Color band denotes cathode end
- Standard packing: 52 mm tape
- Weight: 0.015 ounce, 0.04 gram

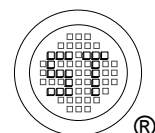


Dimensions in inches and (millimeters)

Absolute Maximum Ratings (Rating at 25°C ambient temperature unless otherwise specified)

Parameter	Symbol	Value	Unit
DC Power Dissipation on $T_a = 50^\circ\text{C}^{1)}$	P_D	2	W
Peak Forward Surge Current 8.3 ms single half sine-wave superimposed on rated load (JEDEC method)	I_{FSM}	15	A
Junction and Storage Temperature Range	T_j, T_{stg}	- 55 to + 150	$^\circ\text{C}$

¹⁾ Mounted on 5.0 mm 2 (0.013mm thick) land areas.



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Electrical Characteristics (Rating at 25°C ambient temperature unless otherwise specified)

Type	Zener Voltage ¹⁾			Zener Impedance				Leakage Current	
	V _{ZT}		at I _{ZT}	Z _{ZT}	at I _{ZT}	Z _{ZK}	at I _{ZK}	I _R	at V _R
	Min.(V)	Max.(V)	(mA)	Max.(Ω)	(mA)	Max.(Ω)	(mA)	Max.(μA)	(V)
2EZ11	10.05	11.6	45.5	4	45.5	700	0.25	1	8.4
2EZ12	11.4	12.6	41.5	4.5	41.5	700	0.25	1	9.1
2EZ13	12.4	13.7	38.5	5	38.5	700	0.25	0.5	9.9
2EZ14	13.3	14.7	35.7	5.5	35.7	700	0.25	0.5	10.6
2EZ15	14.3	15.8	33.4	7	33.4	700	0.25	0.5	11.4
2EZ16	15.2	16.8	31.2	8	31.2	700	0.25	0.5	12.2
2EZ17	16.2	17.9	29.4	9	29.4	750	0.25	0.5	13
2EZ18	17.1	18.9	27.8	10	27.8	750	0.25	0.5	13.7
2EZ19	18.1	20.0	26.3	11	26.3	750	0.25	0.5	14.4
2EZ20	19.0	21.0	25	11	25	750	0.25	0.5	15.2
2EZ22	20.9	23.1	22.8	12	22.8	750	0.25	0.5	16.7
2EZ24	22.8	25.2	20.8	13	20.8	750	0.25	0.5	18.2
2EZ27	25.7	28.4	18.5	18	18.5	750	0.25	0.5	20.6
2EZ28	26.6	29.4	17	19	17	750	0.25	0.5	21
2EZ30	28.5	31.5	16.6	20	16.6	1000	0.25	0.5	22.5
2EZ33	31.4	34.7	15.1	23	15.1	1000	0.25	0.5	25.1
2EZ36	34.2	37.8	13.9	25	13.9	1000	0.25	0.5	27.4
2EZ39	37.1	41.0	12.8	30	12.8	1000	0.25	0.5	29.7

