

VOLTAGE RANGE: 3.9 - 400V

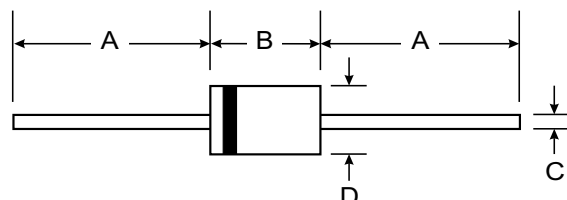
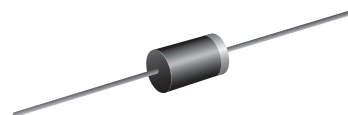
POWER: 3.0Watts

Features

- Complete Voltage Range 3.9 to 400 Volts
- High peak reverse power dissipation
- High reliability
- Low leakage current

Mechanical Data

- Case : DO-15 Molded plastic
- Epoxy : UL94V-O rate flame retardant
- Lead : Axial lead solderable per MIL-STD-202, method 208 guaranteed
- Polarity : Color band denotes cathode end
- Mounting position : Any
- Weight : 0.339 gram



DO-15		
Dim	Min	Max
A	25.40	—
B	5.50	7.62
C	0.686	0.889
D	2.60	3.60
All Dimensions in mm		

MAXIMUM RATINGS

Rating at 25 °C ambient temperature unless otherwise specified

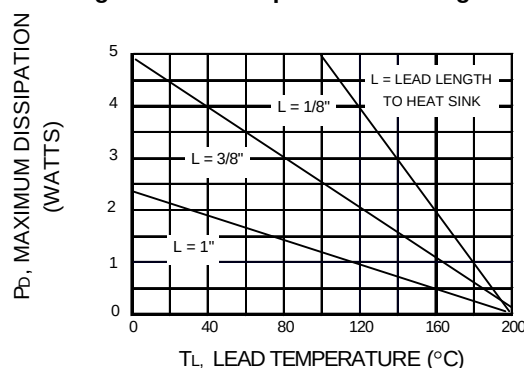
Rating	Symbol	Value	Unit
DC Power Dissipation at $T_L = 75\text{ °C}$ (Note1)	P_D	3.0	Watts
Maximum Forward Voltage at $I_F = 200\text{ mA}$	V_F	1.5	Volts
Maximum Thermal Resistance Junction to Ambient Air (Note2)	$R_{\theta JA}$	60	K / W
Junction Temperature Range	T_J	- 55 to + 175	°C
Storage Temperature Range	T_S	- 55 to + 175	°C

Note :

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

(2) Valid provided that leads are kept at ambient temperature at a distance of 10 mm from case.

Fig. 1 Power Temperature Derating Curve



TYPE	Nominal Zener Voltage		Maximum Zener Impedance			Maximum Reverse Leakage Current		Maximum DC Zener Current
	V _Z @ I _{ZT}	I _{ZT}	Z _{ZT} @ I _{ZT}	Z _{ZK} @ I _{ZK}	I _{ZK}	I _R @ V _R		I _{ZM}
	(V)	(mA)	(Ω)	(Ω)	(mA)	(μA)	(V)	(mA)
3EZ3.9D5L	3.9	192	4.5	400	1.0	80	1.0	630
3EZ4.3D5L	4.3	174	4.5	400	1.0	30	1.0	590
3EZ4.7D5L	4.7	160	4.0	500	1.0	20	1.0	550
3EZ5.1D5L	5.1	147	3.5	550	1.0	5.0	1.0	520
3EZ5.6D5L	5.6	134	2.5	600	1.0	5.0	2.0	480
3EZ6.2D5L	6.2	121	1.5	700	1.0	5.0	3.0	435
3EZ6.8D5L	6.8	110	2.0	700	1.0	50	4.0	393
3EZ7.5D5L	7.5	100	2.0	700	0.5	50	5.0	360
3EZ8.2D5L	8.2	91	2.3	700	0.5	50	6.0	330
3EZ9.1D5L	9.1	82	2.5	700	0.5	50	7.0	297
3EZ10D5L	10	75	3.5	700	0.3	50	7.6	270
3EZ11D5L	11	68	4.0	700	0.25	50	8.4	225
3EZ12D5L	12	63	4.5	700	0.25	1.0	9.1	246
3EZ13D5L	13	58	4.5	700	0.25	0.5	9.1	208
3EZ14D5L	14	53	5.0	700	0.25	0.5	10.6	193
3EZ15D5L	15	50	5.5	700	0.25	0.5	11.4	180
3EZ16D5L	16	47	5.5	700	0.25	0.5	12.2	169
3EZ17D5L	17	44	6.0	750	0.25	0.5	13.0	159
3EZ18D5L	18	42	6.0	750	0.25	0.5	13.7	150
3EZ19D5L	19	40	7.0	750	0.25	0.5	14.4	142
3EZ20D5L	20	37	7.0	750	0.25	0.5	15.2	135
3EZ22D5L	22	34	8.0	750	0.25	0.5	16.7	123
3EZ24D5L	24	31	9.0	750	0.25	0.5	18.2	112
3EZ27D5L	27	28	10	750	0.25	0.5	20.6	100
3EZ28D5L	28	27	12	750	0.25	0.5	21.0	96
3EZ30D5L	30	25	16	1000	0.25	0.5	22.5	90
3EZ33D5L	33	23	20	1000	0.25	0.5	25.1	82
3EZ36D5L	36	21	22	1000	0.25	0.5	27.4	75
3EZ39D5L	39	19	28	1000	0.25	0.5	29.7	69
3EZ43D5L	43	17	33	1500	0.25	0.5	32.7	63
3EZ47D5L	47	16	38	1500	0.25	0.5	35.6	57
3EZ51D5L	51	15	45	1500	0.25	0.5	38.8	53
3EZ56D5L	56	13	50	2000	0.25	0.5	42.6	48
3EZ62D5L	62	12	55	2000	0.25	0.5	47.1	44
3EZ68D5L	68	11	70	2000	0.25	0.5	51.7	40
3EZ75D5L	75	10	85	2000	0.25	0.5	56.0	36
3EZ82D5L	82	9.1	95	3000	0.25	0.5	62.2	33
3EZ91D5L	91	8.2	115	3000	0.25	0.5	69.2	30
3EZ100D5L	100	7.5	160	3000	0.25	0.5	76.0	27

TYPE	Nominal Zener Voltage		Maximum Zener Impedance			Maximum Reverse Leakage Current		Maximum DC Zener Current
	V _Z @ I _{ZT}	I _{ZT}	Z _{zT} @ I _{ZT}	Z _{zK} @ I _{zK}	I _{zK}	I _R @ V _R		I _{ZM}
	(V)	(mA)	(Ω)	(Ω)	(mA)	(μA)	(V)	(mA)
3EZ110D5L	110	6.8	225	4000	0.25	0.5	83.6	25
3EZ120D5L	120	6.3	300	4500	0.25	0.5	91.2	22
3EZ130D5L	130	5.8	375	5000	0.25	0.5	98.8	21
3EZ140D5L	140	5.3	475	5000	0.25	0.5	106.4	19
3EZ150D5L	150	5.0	550	6000	0.25	0.5	114.0	18
3EZ160D5L	160	4.7	625	6500	0.25	0.5	121.6	17
3EZ170D5L	170	4.4	650	7000	0.25	0.5	130.4	16
3EZ180D5L	180	4.2	700	7000	0.25	0.5	136.8	15
3EZ190D5L	190	4.0	800	8000	0.25	0.5	144.8	14
3EZ200D5L	200	3.7	875	8000	0.25	0.5	152.0	13
3EZ220D5L	220	3.4	1600	9000	0.25	1	167.0	12
3EZ240D5L	240	3.1	1700	9000	0.25	1	182.0	11
3EZ270D5L	270	2.8	1800	9000	0.25	1	205.0	10
3EZ300D5L	300	2.5	1900	9000	0.25	1	228.0	9
3EZ330D5L	330	2.3	2200	9000	0.25	1	251.0	8
3EZ360D5L	360	2.1	2700	9000	0.25	1	274.0	8
3EZ400D5L	400	1.9	3500	9000	0.25	1	304.0	7

Note :

- (1) Suffix " 5 " indicates $\pm 5.0\%$ tolerance, suffix " 10 " indicates $\pm 10.0\%$ tolerance.
- (2) " EZ " will be omitted in marking on the diode
- (3) " L " DO-15