

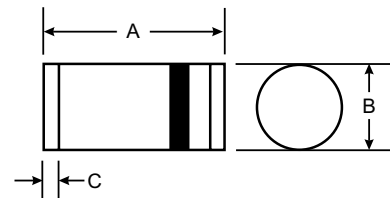
**VOLTAGE RANGE: 2.7- 100V**  
**POWER: 1.3Watts**

### Features

- Complete Voltage Range 2.7 to 100 Volts
- High peak reverse power dissipation
- High reliability
- Low leakage current

### Mechanical Data

- Case : DO-213AB/LL41 , 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 : 0.25 g



LL41/ DO-213AB		
Dim	Min	Max
A	4.80	5.20
B	2.40	2.60
C	0.55 Nominal	
All Dimensions in mm		

### Maximum Ratings @ T<sub>A</sub> = 25°C unless otherwise specified

Rating	Symbol	Value	Unit
DC Power Dissipation at T <sub>L</sub> = 50 °C (Note1)	P <sub>D</sub>	1.3	W
Maximum Forward Voltage at I <sub>F</sub> = 200 mA	V <sub>F</sub>	1.2	V
Maximum Thermal Resistance Junction to Ambient Air (Note2)	R <sub>θJA</sub>	130	K / W
Junction Temperature Range	T <sub>J</sub>	- 65 to + 200	°C
Storage Temperature Range	T <sub>STG</sub>	- 65 to + 200	°C

#### Notes :

- (1) T<sub>L</sub> = 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.

## ELECTRICAL CHARACTERISTICS

Rating at = 25 °C ambient temperature unless otherwise specified

TYPE	Nominal Zener Voltage		Maximum Zener Impedance			Maximum Reverse Leakage Current		Maximum DC Zener Current
	Vz @ IzT	IzT	ZzT @ IzT	Zzk @ IzK	IzK	IR @ VR		IzM
	(V)	(mA)	(Ω)	(Ω)	(mA)	(μA)	(V)	(mA)
ZMY2.7	2.7	80	20	400	1.0	150	1.0	370
ZMY3.0	3.0	80	20	400	1.0	100	1.0	340
ZMY3.3	3.3	80	20	400	1.0	40	1.0	320
ZMY3.6	3.6	70	20	500	1.0	20	1.0	290
ZMY3.9	3.9	60	15	500	1.0	10	1.0	280
ZMY4.3	4.3	50	13	500	1.0	3.0	1.0	250
ZMY4.7	4.7	45	13	500	1.0	3.0	1.0	215
ZMY5.1	5.1	45	10	500	1.0	1.0	1.5	200
ZMY5.6	5.6	45	7.0	400	1.0	1.0	2.0	190
ZMY6.2	6.2	35	4.0	300	1.0	1.0	3.0	170
ZMY6.8	6.8	35	3.5	300	1.0	50	4.0	155
ZMY7.5	7.5	35	3.0	200	0.5	50	4.5	140
ZMY8.2	8.2	25	5.0	200	0.5	50	6.2	130
ZMY9.1	9.1	25	5.0	200	0.5	50	6.8	120
ZMY10	10	25	7.0	200	0.5	50	7.5	105
ZMY11	11	20	8.0	300	0.5	50	8.2	97
ZMY12	12	20	9.0	350	0.5	0.5	9.1	88
ZMY13	13	20	10	400	0.5	0.5	10	79
ZMY15	15	15	15	500	0.5	0.5	11	71
ZMY16	16	15	15	500	0.5	0.5	12	66
ZMY18	18	15	20	500	0.5	0.5	13	62
ZMY20	20	10	24	600	0.5	0.5	15	56
ZMY22	22	10	25	600	0.5	0.5	16	52
ZMY24	24	10	25	600	0.5	0.5	18	47
ZMY27	27	8.0	30	750	0.25	0.5	20	41
ZMY30	30	8.0	30	1000	0.25	0.5	22	36
ZMY33	33	8.0	35	1000	0.25	0.5	24	33
ZMY36	36	8.0	40	1000	0.25	0.5	27	30
ZMY39	39	6.0	50	1000	0.25	0.5	30	28
ZMY43	43	6.0	50	1000	0.25	0.5	33	26
ZMY47	47	4.0	90	1500	0.25	0.5	36	23
ZMY51	51	4.0	115	1500	0.25	0.5	39	21
ZMY56	56	4.0	120	2000	0.25	0.5	43	19
ZMY62	62	4.0	125	2000	0.25	0.5	47	16
ZMY68	68	4.0	130	2000	0.25	0.5	51	15
ZMY75	75	4.0	135	2000	0.25	0.5	56	14
ZMY82	82	2.7	200	3000	0.25	0.5	62	12
ZMY91	91	2.7	250	3000	0.25	0.5	68	10
ZMY100	100	2.7	350	3000	0.25	0.5	75	9.4

**Note :**

( 1 ) The type number listed have a standard tolerance on the nominal zener voltage of ±5.0%.