

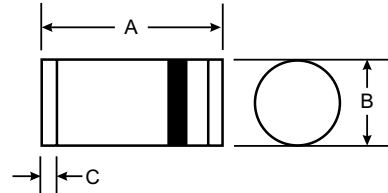
**VOLTAGE RANGE: 2.7- 100V**  
**POWER: 1.3Watts**

### Features

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

### Mechanical Data

- Case : DO-213AB , 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)
ZYM2.7	2.7	80	20	400	1.0	150	1.0	370
ZYM3.0	3.0	80	20	400	1.0	100	1.0	340
ZYM3.3	3.3	80	20	400	1.0	40	1.0	320
ZYM3.6	3.6	70	20	500	1.0	20	1.0	290
ZYM3.9	3.9	60	15	500	1.0	10	1.0	280
ZYM4.3	4.3	50	13	500	1.0	3.0	1.0	250
ZYM4.7	4.7	45	13	500	1.0	3.0	1.0	215
ZYM5.1	5.1	45	10	500	1.0	1.0	1.5	200
ZYM5.6	5.6	45	7.0	400	1.0	1.0	2.0	190
ZYM6.2	6.2	35	4.0	300	1.0	1.0	3.0	170
ZYM6.8	6.8	35	3.5	300	1.0	50	4.0	155
ZYM7.5	7.5	35	3.0	200	0.5	50	4.5	140
ZYM8.2	8.2	25	5.0	200	0.5	50	6.2	130
ZYM9.1	9.1	25	5.0	200	0.5	50	6.8	120
ZYM10	10	25	7.0	200	0.5	50	7.5	105
ZYM11	11	20	8.0	300	0.5	50	8.2	97
ZYM12	12	20	9.0	350	0.5	0.5	9.1	88
ZYM13	13	20	10	400	0.5	0.5	10	79
ZYM15	15	15	15	500	0.5	0.5	11	71
ZYM16	16	15	15	500	0.5	0.5	12	66
ZYM18	18	15	20	500	0.5	0.5	13	62
ZYM20	20	10	24	600	0.5	0.5	15	56
ZYM22	22	10	25	600	0.5	0.5	16	52
ZYM24	24	10	25	600	0.5	0.5	18	47
ZYM27	27	8.0	30	750	0.25	0.5	20	41
ZYM30	30	8.0	30	1000	0.25	0.5	22	36
ZYM33	33	8.0	35	1000	0.25	0.5	24	33
ZYM36	36	8.0	40	1000	0.25	0.5	27	30
ZYM39	39	6.0	50	1000	0.25	0.5	30	28
ZYM43	43	6.0	50	1000	0.25	0.5	33	26
ZYM47	47	4.0	90	1500	0.25	0.5	36	23
ZYM51	51	4.0	115	1500	0.25	0.5	39	21
ZYM56	56	4.0	120	2000	0.25	0.5	43	19
ZYM62	62	4.0	125	2000	0.25	0.5	47	16
ZYM68	68	4.0	130	2000	0.25	0.5	51	15
ZYM75	75	4.0	135	2000	0.25	0.5	56	14
ZYM82	82	2.7	200	3000	0.25	0.5	62	12
ZYM91	91	2.7	250	3000	0.25	0.5	68	10
ZYM100	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%.