

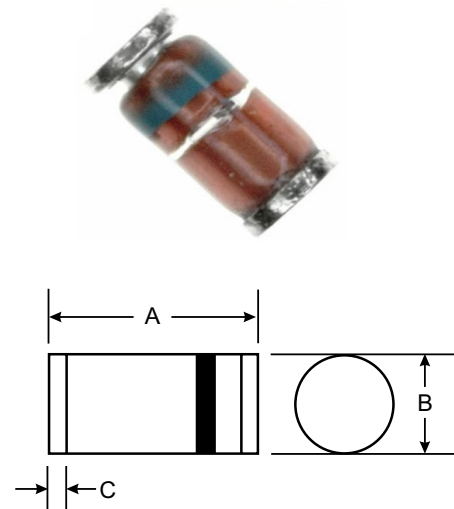
VOLTAGE RANGE: 3.3 - 100V
POWER: 1.0Watts

Features

- Complete voltage range 3.3 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 $T_A = 25^\circ\text{C}$ unless otherwise specified

Rating	Symbol	Value	Unit
DC Power Dissipation at $T_L = 50^\circ\text{C}$ (Note1)	P_D	1.0	Watt
Maximum Forward Voltage at $I_F = 200\text{ mA}$	V_F	1.2	Volts
Maximum Thermal Resistance Junction to Ambient Air (Note2)	$R_{\theta JA}$	170	K / W
Junction Temperature Range	T_J	- 55 to + 175	$^\circ\text{C}$
Storage Temperature Range	T_{STG}	- 55 to + 175	$^\circ\text{C}$

Notes :

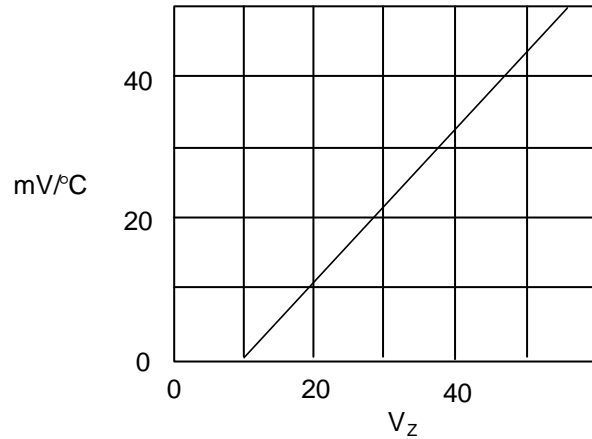
- (1) T_L = Lead temperature at 3/8 " (9.5mm) from body
- (2) Valid provided that leads are kept at ambient temperature at a distance of 10 mm from case.



ELECTRICAL CHARACTERISTICS (Rating at 25 °C ambient temperature unless otherwise specified)

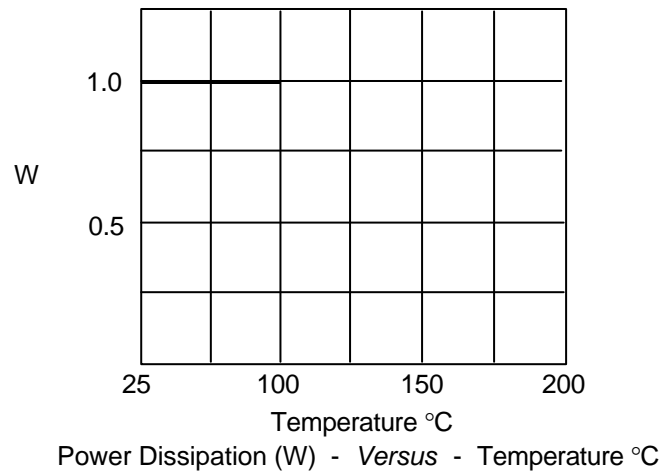
Type	Nominal Zener Voltage		Maximum Zener Impedance			Maximum Reverse Leakage Current		Maximum DC Zener Current	Maximum Surge Current
	$V_Z @ I_{ZT}$	I_{ZT}	$Z_{ZT} @ I_{ZT}$	$Z_{ZK} @ I_{ZK}$	I_{ZK}	$I_R @ V_R$		I_{ZM}	$I_{RM}^{(2)}$
	(V)	(mA)	(Ω)	(Ω)	(mA)	(μ A)	(V)	(mA)	(mApk)
GLL4728A	3.3	76.0	10	400	1.0	100	1.0	276	1380
GLL4729A	3.6	69.0	10	400	1.0	100	1.0	252	1260
GLL4730A	3.9	64.0	9.0	400	1.0	50	1.0	234	1190
GLL4731A	4.3	58.0	9.0	400	1.0	10	1.0	217	1070
GLL4732A	4.7	53.0	8.0	500	1.0	10	1.0	193	970
GLL4733A	5.1	49.0	7.0	550	1.0	10	1.0	178	890
GLL4734A	5.6	45.0	5.0	600	1.0	10	2.0	162	810
GLL4735A	6.2	41.0	2.0	700	1.0	10	3.0	146	730
GLL4736A	6.8	37.0	3.5	700	1.0	10	4.0	133	660
GLL4737A	7.5	34.0	4.0	700	0.5	10	5.0	121	605
GLL4738A	8.2	31.0	4.5	700	0.5	10	6.0	110	550
GLL4739A	9.1	28.0	5.0	700	0.5	10	7.0	100	500
GLL4740A	10	25.0	7.0	700	0.25	10	7.6	91	454
GLL4741A	11	23.0	8.0	700	0.25	5.0	8.4	83	414
GLL4742A	12	21.0	9.0	700	0.25	5.0	9.1	76	380
GLL4743A	13	19.0	10	700	0.25	5.0	9.9	69	344
GLL4744A	15	17.0	14	700	0.25	5.0	11.4	61	305
GLL4745A	16	15.5	16	700	0.25	5.0	12.2	57	285
GLL4746A	18	14.0	20	750	0.25	5.0	13.7	50	250
GLL4747A	20	12.5	22	750	0.25	5.0	15.2	45	225
GLL4748A	22	11.5	23	750	0.25	5.0	16.7	41	205
GLL4749A	24	10.5	25	750	0.25	5.0	18.2	38	190
GLL4750A	27	9.5	35	750	0.25	5.0	20.6	34	170
GLL4751A	30	8.5	40	1000	0.25	5.0	22.8	30	150
GLL4752A	33	7.5	45	1000	0.25	5.0	25.1	27	135
GLL4753A	36	7.0	50	1000	0.25	5.0	27.4	25	125
GLL4754A	39	6.5	60	1000	0.25	5.0	29.7	23	115
GLL4755A	43	6.0	70	1500	0.25	5.0	32.7	22	110
GLL4756A	47	5.5	80	1500	0.25	5.0	35.8	19	95
GLL4757A	51	5.0	95	1500	0.25	5.0	38.8	18	90
GLL4758A	56	4.5	110	2000	0.25	5.0	42.6	16	80
GLL4759A	62	4.0	125	2000	0.25	5.0	47.1	14	70
GLL4760A	68	3.7	150	2000	0.25	5.0	51.7	13	65
GLL4761A	75	3.3	175	2000	0.25	5.0	56.0	12	60
GLL4762A	82	3.0	200	3000	0.25	5.0	62.2	11	55
GLL4763A	91	2.8	250	3000	0.25	5.0	69.2	10	50
GLL4764A	100	2.5	350	3000	0.25	5.0	76.0	9.0	45

Figure 1 - Typical Temperature Coefficient



Typical Temperature Coefficient ($mV/^\circ C$) – versus – Zener Voltage (V_Z)

Figure 2 - Derating Curve



Power Dissipation (W) - Versus - Temperature $^\circ C$