



# DL4728A~DL4761A

## Zener diode

**Voltage Range**  
3.3 to 75 Volts

### Features

- 1.High reliability
- 2.Very sharp reverse characteristic
- 3.Low reverse current level
- 4.Vz-tolerance $\pm 5\%$

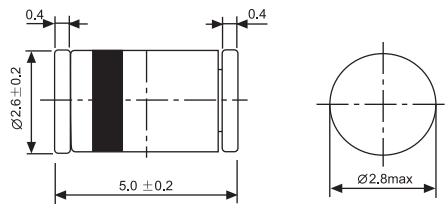
### Applications

Voltage stabilization

### Absolute Maximum Ratings

$T_j=25^{\circ}\text{C}$

Standard Glass Case  
JEDEC LL 41



Parameter	Test Conditions	Type	Symbol	Value	Unit
Power dissipation	$T_{amb} \leq 50^{\circ}\text{C}$		$P_D$	1	W
Z-current			$I_z$	$P_D/V_z$	mA
Junction temperature			$T_j$	200	$^{\circ}\text{C}$
Storage temperature range			$T_{stg}$	-65~+175	$^{\circ}\text{C}$

### Maximum Thermal Resistance

$T_j=25^{\circ}\text{C}$

Parameter	Test Conditions	Symbol	Value	Unit
Junction ambient	$I=9.5\text{mm}(3/8") T_L=\text{constant}$	$R_{thJA}$	100	K/W

### Electrical Characteristics

$T_j=25^{\circ}\text{C}$

Parameter	Test Conditions	Type	Symbol	Min	Typ	Max	Unit
Forward voltage	$I_F=200\text{mA}$		$V_F$			1.2	V



Type	Vznom	Izt for Vz and Rzt		Rzk at Izk		IR at VR	
	V	mA	$\Omega$	$\Omega$	mA	$\mu$ A	V
DL4728A	3.3	76	<10	<400	1	<100	1
DL4729A	3.6	69	<10	<400	1	<100	1
DL4730A	3.9	64	<9	<400	1	<50	1
DL4731A	4.3	58	<9	<400	1	<10	1
DL4732A	4.7	53	<8	<500	1	<10	1
DL4733A	5.1	49	<7	<550	1	<10	1
DL4734A	5.6	45	<5	<600	1	<10	2
DL4735A	6.2	41	<2	<700	1	<10	3
DL4736A	6.8	37	<3.5	<700	1	<10	4
DL4737A	7.5	34	<4.0	<700	0.5	<10	5
DL4738A	8.2	31	<4.5	<700	0.5	<10	6
DL4739A	9.1	28	<5.0	<700	0.5	<10	7
DL4740A	10	25	<7	<700	0.25	<10	7.6
DL4741A	11	23	<8	<700	0.25	<5	8.4
DL4742A	12	21	<9	<700	0.25	<5	9.1
DL4743A	13	19	<10	<700	0.25	<5	9.9
DL4744A	15	17	<14	<700	0.25	<5	11.4
DL4745A	16	15.5	<16	<700	0.25	<5	12.2
DL4746A	18	14	<20	<750	0.25	<5	13.7
DL4747A	20	12.5	<22	<750	0.25	<5	15.2
DL4748A	22	11.5	<23	<750	0.25	<5	16.7
DL4749A	24	10.5	<25	<750	0.25	<5	18.2
DL4750A	27	9.5	<35	<750	0.25	<5	20.6
DL4751A	30	8.5	<40	<1000	0.25	<5	22.8
DL4752A	33	7.5	<45	<1000	0.25	<5	25.1
DL4753A	36	7.0	<50	<1000	0.25	<5	27.4
DL4754A	39	6.5	<60	<1000	0.25	<5	29.7
DL4755A	43	6.0	<70	<1500	0.25	<5	32.7
DL4756A	47	5.5	<80	<1500	0.25	<5	35.8
DL4757A	51	5.0	<95	<1500	0.25	<5	38.8
DL4758A	56	4.5	<110	<2000	0.25	<5	42.6
DL4759A	62	4.0	<125	<2000	0.25	<5	47.1
DL4760A	68	3.7	<150	<2000	0.25	<5	51.7
DL4761A	75	3.3	<175	<2000	0.25	<5	56

1)Based on DC-measurement at thermal equilibrium while maintaining the temperature (TL)at 30°C,  
9.5mm(3/8") from the diode body.