



1N4728A~1N4761A

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±5%

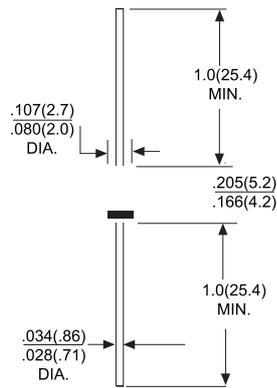
Applications

Voltage stabilization

Absolute Maximum Ratings

T_j=25°C

DO-41



Dimensions in inches and (millimeters)

Parameter	Test Conditions	Type	Symbol	Value	Unit
Power dissipation	T _{amb} *50°C		P _D	1	W
Z-current			I _z	P _D /V _z	mA
Junction temperature			T _j	200	°C
Storage temperature range			T _{stg}	-65~+175	°C

Maximum Thermal Resistance

T_j=25°C

Parameter	Test Conditions	Symbol	Value	Unit
Junction ambient	l=9.5mm(3/8") T _L =constant	R _{thJA}	100	K/W

Electrical Characteristics

T_j=25°C

Parameter	Test Conditions	Type	Symbol	Min	Typ	Max	Unit
Forward voltage	I _F =200mA		V _F			1.2	V



Type	Vznom	Izt for Vz and r		Rzk	at	Izk	IR at VR	
	V	mA	*	*		mA	uA	V
1N4728A	3.3	76	<10	<400		1	<100	1
1N4729A	3.6	69	<10	<400		1	<100	1
1N4730A	3.9	64	<9	<400		1	<50	1
1N4731A	4.3	58	<9	<400		1	<10	1
1N4732A	4.7	53	<8	<500		1	<10	1
1N4733A	5.1	49	<7	<550		1	<10	1
1N4734A	5.6	45	<5	<600		1	<10	2
1N4735A	6.2	41	<2	<700		1	<10	3
1N4736A	6.8	37	<3.5	<700		1	<10	4
1N4737A	7.5	34	<4.0	<700		0.5	<10	5
1N4738A	8.2	31	<4.5	<700		0.5	<10	6
1N4739A	9.1	28	<5.0	<700		0.5	<10	7
1N4740A	10	25	<7	<700		0.25	<10	7.6
1N4741A	11	23	<8	<700		0.25	<5	8.4
1N4742A	12	21	<9	<700		0.25	<5	9.1
1N4743A	13	19	<10	<700		0.25	<5	9.9
1N4744A	15	17	<14	<700		0.25	<5	11.4
1N4745A	16	15.5	<16	<700		0.25	<5	12.2
1N4746A	18	14	<20	<750		0.25	<5	13.7
1N4747A	20	12.5	<22	<750		0.25	<5	15.2
1N4748A	22	11.5	<23	<750		0.25	<5	16.7
1N4749A	24	10.5	<25	<750		0.25	<5	18.2
1N4750A	27	9.5	<35	<750		0.25	<5	20.6
1N4751A	30	8.5	<40	<1000		0.25	<5	22.8
1N4752A	33	7.5	<45	<1000		0.25	<5	25.1
1N4753A	36	7.0	<50	<1000		0.25	<5	27.4
1N4754A	39	6.5	<60	<1000		0.25	<5	29.7
1N4755A	43	6.0	<70	<1500		0.25	<5	32.7
1N4756A	47	5.5	<80	<1500		0.25	<5	35.8
1N4757A	51	5.0	<95	<1500		0.25	<5	38.8
1N4758A	56	4.5	<110	<2000		0.25	<5	42.6
1N4759A	62	4.0	<125	<2000		0.25	<5	47.1
1N4760A	68	3.7	<150	<2000		0.25	<5	51.7
1N4761A	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.