

Zener Diodes

2.0 Watt Zener Diodes/DO-41

Type Number	Zener Voltage Range*	Test Current	Maximum Zener Impedance	Typical Temperature Coefficient	Min. Reverse Voltage At $I_R = 1.0\mu A$	Maximum Zener Current
	$V_Z @ I_{ZT}$	I_{ZT}	$Z_{ZT} @ I_{ZT}$	At I_{ZT}	V_R	I_{ZM}
	Volts	mA	Ohms	%/°C	Volts	mA
ZY1	0.71-0.82	100	1	-0.22	-	1000
ZY3.9	3.7-4.1	100	7	-0.025	-	410
ZY4.3	4.0-4.6	100	7	-0.020	-	360
ZY4.7	4.4-5.0	100	7	-0.015	-	330
ZY5.1	4.8-5.4	100	5	-0.005	>0.7	300
ZY5.6	5.2-6.0	100	2	+0.010	>1.5	275
ZY6.2	5.8-6.6	100	2	+0.025	>1.5	245
ZY6.8	6.4-7.2	100	2	+0.035	>2.0	220
ZY7.5	7.0-7.9	100	2	+0.035	>2.0	200
ZY8.2	7.7-8.7	100	2	+0.055	>3.5	180
ZY9.1	8.5-9.6	50	4	+0.055	>7.4	165
ZY10	9.4-10.6	50	4	+0.070	>8.2	145
ZY11	10.4-11.6	50	7	+0.075	>9.2	135
ZY12	11.4-12.7	50	7	+0.075	>10	120
ZY13	12.4-14.1	50	10	+0.075	>10.7	110
ZY15	13.8-15.8	50	10	+0.075	>12	98
ZY16	15.3-17.1	25	15	+0.085	>13.3	90
ZY18	16.8-19.1	25	15	+0.085	>14.7	80
ZY20	18.8-21.2	25	15	+0.085	>16.5	72
ZY22	20.8-23.3	25	15	+0.085	>18.3	66
ZY24	22.8-25.6	25	15	+0.085	>20.1	60
ZY27	25.1-28.9	25	15	+0.085	>22.5	53
ZY30	28-32	25	15	+0.085	>25.1	48
ZY33	31-35	25	15	+0.085	>27.8	44
ZY36	34-38	10	40	+0.085	>30.2	40
ZY39	27-41	10	40	+0.085	>32.9	37
ZY43	40-46	10	45	+0.095	>35.6	33
ZY47	44-50	10	45	+0.095	>39.2	30
ZY51	48-54	10	60	+0.095	>42.8	27
ZY56	52-60	10	60	+0.095	>47.3	25
ZY62	58-66	10	80	+0.105	>51.7	21
ZY68	64-72	10	80	+0.105	>57.1	20
ZY75	70-79	10	100	+0.105	>63.2	18
ZY82	77-88	10	100	+0.105	>68.6	16
ZY91	85-96	5.0	200	+0.110	>75.7	15
ZY100	94-106	5.0	200	+0.110	>83.7	13
ZY110	104-116	5.0	250	+0.110	>92.6	12
ZY120	114-127	5.0	250	+0.110	>101.6	11
ZY130	124-141	5.0	300	+0.110	>110.5	10
ZY150	138-156	5.0	300	+0.110	>123	9
ZY160	153-171	5.0	350	+0.110	>136	8.5
ZY180	168-191	5.0	350	+0.110	>149	8.0
ZY200	188-212	5.0	350	+0.110	>167	7.5

* Measured with Pulses $t_p=5ms$.

Note: The Type ZPY1 is to be operated in the forward direction.

The Cathode Terminal is to be connected to the negative pole of the supply.

OPERATING/STORAGE TEMPERATURE -55°C to +150°C