

Zener Diodes

1.3 Watt Zener Diodes/DO-41

Type Number	Zener Voltage Range*	Test Current	Maximum Zener impedance	Typical Temperature Coefficient	Reverse Voltage @ $I_R = 0.5\mu A$	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
ZPY1	0.65-0.75	5.0	8	-0.24	-	580
ZPY3.9	3.7-4.1	100	7	-0.025	-	290
ZPY4.3	4.0-4.6	100	7	-0.020	-	260
ZPY4.7	4.4-5.0	100	7	-0.015	-	235
ZPY5.1	4.8-5.4	100	5	-0.005	>0.7	215
ZPY5.6	5.2-6.0	100	2	+0.010	>1.5	193
ZPY6.2	5.8-6.6	100	2	+0.025	>2	183
ZPY6.8	6.4-7.2	100	2	+0.035	>3	157
ZPY7.5	7.0-7.9	100	2	+0.035	>5	143
ZPY8.2	7.7-8.7	100	2	+0.055	>6	127
ZPY9.1	8.5-9.6	50	4	+0.055	>7	117
ZPY10	9.4-10.6	50	4	+0.070	>7.5	105
ZPY11	10.4-11.6	50	7	+0.075	>8.5	94
ZPY12	11.4-12.7	50	7	+0.075	>9.0	85
ZPY13	12.4-14.1	50	9	+0.075	>10	78
ZPY15	13.8-15.8	50	9	+0.075	>11	70
ZPY16	15.3-17.1	25	10	+0.090	>12	63
ZPY18	16.8-19.1	25	11	+0.090	>14	57
ZPY20	18.8-21.2	25	12	+0.090	>15	52
ZPY22	20.8-23.3	25	13	+0.090	>17	48
ZPY24	22.8-25.6	25	14	+0.095	>18	42
ZPY27	25.1-28.9	25	15	+0.095	>20	38
ZPY30	28-32	25	20	+0.095	>22.5	35
ZPY33	31-35	25	20	+0.095	>25	31
ZPY36	34-38	10	60	+0.095	>27	29
ZPY39	27-41	10	60	+0.100	>29	26
ZPY43	40-46	10	80	+0.105	>32	24
ZPY47	44-50	10	80	+0.105	>35	22
ZPY51	48-54	10	100	+0.105	>38	20
ZPY56	52-60	10	100	+0.105	>42	18
ZPY62	58-66	10	130	+0.105	>47	16
ZPY68	64-72	10	130	+0.105	>51	14
ZPY75	70-79	10	160	+0.105	>56	13
ZPY82	77-88	10	160	+0.105	>61	12
ZPY91	85-96	5.0	250	+0.110	>68	11
ZPY100	94-106	5.0	250	+0.110	>75	10
ZPU100	88-110	5.0	300	+0.110	>75	10
ZPU120	107-134	5.0	330	+0.110	>90	8.5
ZPU150	130-165	5.0	360	+0.110	>112	7.0
ZPU180	160-200	5.0	380	+0.110	>134	5.5

* Measured with Pulses $t_p=5ms$.

OPERATING/STORAGE TEMPERATURE -55°C to +200°C

Notes: 1) Standard Zener Voltage Tolerance is $\pm 5\%$ for ZPY Series and $\pm 10\%$ for ZPU Devices.

2) 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.