

ZENER DIODES

2.0 WATT ZENER DIODES/P1/DO-41

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

Type Number	Zener Voltage Range $V_Z @ I_{ZT}$ (Volts)	Maximum Zener Impedance $Z_{ZT} @ I_{ZT}$ (Ohms)	Typical Temperature Coefficient AT I_{ZT} (%/°C)	Test Current I_{ZT} (mA)	Min. Reverse Voltage At $I_R=1.0\mu A$ V_R (Volts)	Maximum Regulator Current I_{ZM} (mA)
ZY1	0.71-0.82	1	-0.22	100	—	1000
ZY3,9	3.7-4.1	7	-0.025	100	—	410
ZY4,3	4.0-4.6	7	-0.020	100	—	360
ZY4,7	4.4-5.0	7	-0.015	100	—	330
ZY5,1	4.8-5.4	5	-0.005	100	0.7	300
ZY5,6	5.2-6.0	2	+0.010	100	1.5	275
ZY6,2	5.8-6.6	2	+0.025	100	1.5	245
ZY6,8	6.4-7.2	2	+0.035	100	2.0	220
ZY7,5	7.0-7.9	2	+0.035	100	2.0	200
ZY8,2	7.7-8.7	2	+0.055	100	3.5	180
ZY9,1	8.5-9.6	4	+0.055	50	7.4	165
ZY10	9.4-10.6	4	+0.070	50	8.2	145
ZY11	10.4-11.6	7	+0.075	50	9.2	135
ZY12	11.4-12.7	7	+0.075	50	10	120
ZY13	12.4-14.1	10	+0.075	50	10.7	110
ZY15	13.8-15.8	10	+0.075	50	12	98
ZY16	15.3-17.1	15	+0.085	25	13.3	90
ZY18	16.8-19.1	15	+0.085	25	14.7	80
ZY20	18.8-21.2	15	+0.085	25	16.5	72
ZY22	20.8-23.3	15	+0.085	25	18.3	66
ZY24	22.8-25.6	15	+0.085	25	20.1	60
ZY27	25.1-28.9	15	+0.085	25	22.5	53
ZY30	28-32	15	+0.085	25	25.1	48
ZY33	31-35	15	+0.085	25	27.8	44
ZY36	34-38	40	+0.085	10	30.2	40
ZY39	37-41	40	+0.085	10	32.9	37
ZY43	40-46	45	+0.095	10	35.6	33
ZY47	44-50	45	+0.095	10	39.2	30
ZY51	48-54	60	+0.095	10	42.8	27
ZY56	52-60	60	+0.095	10	47.3	25
ZY62	58-66	80	+0.105	10	51.7	21
ZY68	64-72	80	+0.105	10	57.1	20
ZY75	70-79	100	+0.105	10	63.2	18
ZY82	77-88	100	+0.105	10	68.6	16
ZY91	85-96	200	+0.11	5	75.7	15
ZY100	94-106	200	+0.11	5	83.7	13
ZY110	104-116	250	+0.11	5	92.6	12
ZY120	114-127	250	+0.11	5	101.6	11
ZY130	124-141	300	+0.11	5	110.5	10
ZY150	138-156	300	+0.11	5	123	9
ZY160	153-171	350	+0.11	5	136	8.5
ZY180	168-191	350	+0.11	5	149	8.0
ZY200	188-212	350	+0.11	5	167	7.5

NOTES: 1) For DO-41 Package, specify suffix "S" to Type Number.

*Measured with Pulses $t_p=5ms$.

2) The Type ZY1 is to be operated in the forward direction. The Cathode Terminal is to be connected to the negative pole of the supply.