

ZY Series 2 W Zener Diodes ZY1 to ZY200 (DO-41 Plastic Package)  $T_A = 25\text{ }^\circ\text{C}$ 

Type	Zener Voltage Range $V_Z$ at $I_{ZT}$ *	Maximum Zener Impedance $Z_{ZT}$ at $I_{ZT}$	Typical Temperature Coefficient at $I_{ZT}$	Test Current  $I_{ZT}$	Min. Reverse Voltage at $I_R = 1\mu\text{A}$  $V_R$	Maximum Regulator Current at $45\text{ }^\circ\text{C}$  $I_{ZM}$
	Volts	Ohms	%/ $^\circ\text{C}$	mA	Volts	mA
ZY1 <sup>1)</sup>	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	–	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

Standard Voltage Tolerance is  $\pm 5\%$ . Other Tolerances and Non-Standard Zener Voltages Upon Request.

<sup>1)</sup> The ZY1 silicon diode operated in forward direction. Hence, the cathode terminal is to be connected to the negative pole of the supply.

\*Measured with pulses  $t_p = 20\text{ ms}$ .