

# ZENER DIODES

## ZD Series 1.3 Watt Metal Zener Diodes in DO-13 Metal Case (T<sub>A</sub> = 25 °C)

Type	Zener Voltage Range V <sub>Z</sub> at I <sub>ZT</sub> *	Maximum Zener Impedance Z <sub>ZT</sub> at I <sub>ZT</sub>	Typical Temperature Coefficient at I <sub>ZT</sub>	Test Current I <sub>ZT</sub>	Min. Reverse Voltage at I <sub>R</sub> = 1 μA V <sub>R</sub>	Maximum Regulator Current at 45 °C I <sub>ZM</sub>
	Volts	Ohms	%/°C	mA	Volts	mA
ZD3,9	3.7-4.1	7	-0.025	100	--	240
ZD4,3	4.0-4.6	7	-0.020	100	--	210
ZD4,7	4.4-5.0	7	-0.015	100	--	180
ZD5,1	4.8-5.4	5	-0.005	100	--	170
ZD5,6	5.2-6.0	2	+0.010	100	1.5	160
ZD6,2	5.8-6.6	2	+0.025	100	1.5	145
ZD6,8	6.4-7.2	2	+0.035	100	2.0	130
ZD7,5	7.0-7.9	2	+0.035	100	2.0	120
ZD8,2	7.7-8.7	2	+0.055	100	3.5	110
ZD9,1	8.5-9.6	4	+0.055	50	3.5	100
ZD10	9.4-10.6	4	+0.070	50	5.0	90
ZD11	10.4-11.6	7	+0.075	50	5.0	82
ZD12	11.4-12.7	7	+0.075	50	7.0	75
ZD13	12.4-14.1	10	+0.075	50	7.0	67
ZD15	13.8-15.8	10	+0.075	50	10	60
ZD16	15.3-17.1	15	+0.085	25	10	56
ZD18	16.8-19.1	15	+0.085	25	10	53
ZD20	18.8-21.2	15	+0.085	25	10	48
ZD22	20.8-23.3	15	+0.085	25	12	44
ZD24	22.8-25.6	15	+0.085	25	12	40
ZD27	25.1-28.9	15	+0.085	25	14	35
ZD30	28-32	15	+0.085	25	14	31
ZD33	31-35	15	+0.085	25	17	28
ZD36	34-38	40	+0.085	10	17	26
ZD39	37-41	40	+0.085	10	20	24
ZD43	40-46	45	+0.095	10	20	22
ZD47	44-50	45	+0.095	10	24	20
ZD51	48-54	60	+0.095	10	24	18
ZD56	52-60	60	+0.095	10	28	16.5
ZD62	58-66	80	+0.105	10	28	14
ZD68	64-72	80	+0.105	10	34	13
ZD75	70-79	100	+0.105	10	34	12
ZD82	77-88	100	+0.105	10	41	11
ZD91	85-96	200	+0.11	5	41	10
ZD100	94-106	200	+0.11	5	50	9
ZD110	104-116	250	+0.11	5	50	8.2
ZD120	114-127	250	+0.11	5	60	7.5
ZD130	124-141	300	+0.11	5	60	6.7
ZD150	138-156	300	+0.11	5	75	6
ZD160	153-171	350	+0.11	5	75	5.6
ZD180	168-191	350	+0.11	5	90	5.3
ZD200	188-212	350	+0.11	5	90	4.8

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

\* Measured with pulses tp = 20 ms.