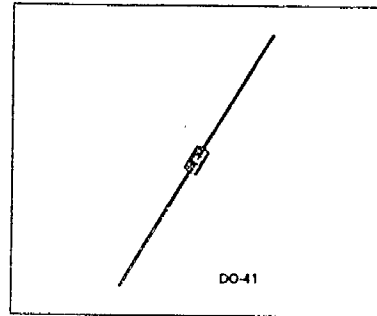


**MZD3.9
thru
MZD200**

1.3 WATT, 5%
ZENER REGULATOR DIODES

3.9-200 VOLTS
E.095 R1



ELECTRICAL CHARACTERISTICS ($T_A = 25^\circ\text{C}$ unless otherwise noted.) $V_F = 1.5\text{ V max}$, $I_F = 200\text{ mA}$ for all types.

Type No. (Note 1)	Zener Voltage (Note 2)		Test Current I_{ZT} mA	Zener Impedance at I_{ZT} $f = 1000\text{ Hz (OHM)}$		Blocking Voltage $I_R = 1.0\ \mu\text{A}$	Typical T_C %/°C	Surge Current @ $T_L = 25^\circ\text{C}$ $I_R - \text{mA}$ (Note 3)
	Min	Max		Typ	Max			
MZD3.9	3.7	4.1	100	3.8	7.0	-	-0.060	1380
MZD4.3	4.0	4.6	100	3.8	7.0	-	± 0.055	1260
MZD4.7	4.4	5.0	100	3.8	7.0	-	± 0.030	1190
MZD5.1	4.8	5.4	100	2.0	5.0	-	± 0.030	1070
MZD5.6	5.2	6.0	100	1.0	2.0	1.5	+0.038	970
MZD6.2	5.8	6.6	100	1.0	2.0	1.5	+0.045	890
MZD6.8	6.4	7.2	100	1.0	2.0	2.0	+0.050	810
MZD7.5	7.0	7.9	100	1.0	2.0	2.0	+0.058	730
MZD8.2	7.7	8.7	100	1.0	2.0	3.5	+0.062	660
MZD9.1	8.5	9.6	50	2.0	4.0	3.5	+0.068	605
MZD10	9.4	10.6	50	2.0	4.0	5.0	+0.075	550
MZD11	10.4	11.6	50	4.0	7.0	5.0	+0.076	500
MZD12	11.4	12.7	50	4.0	7.0	7.0	+0.077	454
MZD13	12.4	14.1	50	5.0	10	7.0	+0.079	414
MZD15	13.8	15.8	50	5.0	10	10	+0.082	380
MZD16	15.3	17.1	25	6.0	15	10	+0.083	344
MZD18	16.8	19.1	25	6.0	15	10	+0.085	304
MZD20	18.8	21.2	25	6.0	15	10	+0.086	285
MZD22	20.8	23.3	25	6.0	15	12	+0.087	250
MZD24	22.8	25.6	25	7.0	15	12	+0.088	225
MZD27	25.1	28.9	25	7.0	15	14	+0.090	205
MZD30	28.0	32	25	8.0	15	14	+0.091	190
MZD33	31	35	25	8.0	15	17	+0.092	170
MZD36	34	38	10	21	40	17	+0.093	150
MZD39	37	41	10	21	40	20	+0.094	135
MZD43	40	46	10	24	45	20	+0.095	125
MZD47	44	50	10	24	45	24	+0.095	115
MZD51	48	54	10	25	60	24	+0.096	110
MZD56	52	60	10	25	60	28	+0.096	95
MZD62	58	66	10	25	80	28	+0.097	90
MZD68	64	72	10	25	80	34	+0.097	80
MZD75	70	79	10	30	100	34	+0.098	70
MZD82	77	88	10	30	100	41	+0.098	65
MZD91	85	96	5.0	60	200	41	+0.099	60
MZD100	94	106	5.0	60	200	50	+0.110	55
MZD110	104	116	5.0	80	250	50	+0.110	50
MZD120	114	127	5.0	80	250	60	+0.110	45
MZD130	124	141	5.0	110	300	60	+0.110	-
MZD150	138	156	5.0	110	300	75	+0.110	-
MZD160	153	171	5.0	150	350	75	+0.110	-
MZD180	168	191	5.0	150	350	90	+0.110	-
MZD200	188	212	5.0	150	350	90	+0.110	-



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