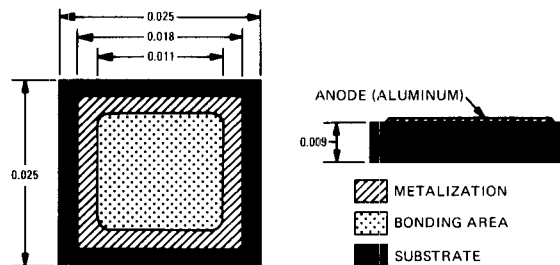


SILICON ZENER DIODE CHIPS

- Available in 10% (Standard), 5% tolerance option.
- Silicon oxide passivated junctions.
- Full Voltage Range: 2.4 through 150 V, "A" Series.
1.8 through 150 V, "B" Series.
- Limits guaranteed on four electrical parameters.
- Both anode and cathode chip metalization compatible with all wire and die bonding techniques.



"A" SERIES (High Level)

ELECTRICAL CHARACTERISTICS (T _A = 25°C, unless otherwise noted) V _F = 1.5 V Max @ I _F = 200 mA for all types.								
Sprague Type No.	Reference Number	Nominal Zener Voltage V _Z @ I _{ZT} Volts	Current Test I _{ZT} mA	Max. Zener Impedance Z _{zT} @ I _{ZT} Ohms	Max. Reverse Leakage Current			Max. Zener Voltage Temp. Coeff. δV _Z (%/°C) (For Reference Only)
					@ I _R μA	V _R Volts		
						Tolerance		
						10%	5.0%	
THZ2R4A10	1N5221, 1N4370	2.4	21	53	100	0.95	1.0	−0.085
THZ2R5A10	1N5222	2.5	20	53	100	0.95	1.0	−0.085
THZ2R7A10	1N5223, 1N4371	2.7	19	52	75	0.95	1.0	−0.080
THZ2R8A10	1N5224	2.8	18	51	75	0.95	1.0	−0.080
THZ3R0A10	1N5225, 1N4372	3.0	17	50	50	0.95	1.0	−0.075
THZ3R3A10	1N5226, 1N746	3.3	15	47	25	0.95	1.0	−0.070
THZ3R6A10	1N5227, 1N747	3.6	14	43	15	0.95	1.0	−0.065
THZ3R9A10	1N5228, 1N748	3.9	13	35	10	0.95	1.0	−0.060
THZ4R3A10	1N5229, 1N749	4.3	12	29	5.0	0.95	1.0	±0.055
THZ4R7A10	1N5230, 1N750	4.7	11	24	5.0	1.9	2.0	±0.030
THZ5R1A10	1N5231, 1N751	5.1	9.8	21	5.0	1.9	2.0	±0.030
THZ5R6A10	1N5232, 1N752	5.6	8.9	25	5.0	2.9	3.0	±0.038
THZ6R0A10	1N5233	6.0	8.3	30	5.0	3.3	3.5	±0.038
THZ6R2A10	1N5234, 1N753	6.2	8.1	31	5.0	3.8	4.0	±0.045
THZ6R8A10	1N5235, 1N754	6.8	7.3	38	3.0	4.8	5.0	±0.050
THZ7R5A10	1N5236, 1N755	7.5	6.7	43	3.0	5.7	6.0	±0.058
THZ8R2A10	1N5237, 1N756	8.2	6.1	49	3.0	6.2	6.5	±0.062
THZ8R7A10	1N5238	8.7	5.7	52	3.0	6.2	6.5	±0.065
THZ9R1A10	1N5239, 1N757	9.1	5.5	54	3.0	6.7	7.0	±0.068
THZ010A10	1N5240, 1N758	10	5.0	60	3.0	7.6	8.0	±0.075
THZ011A10	1N5241, 1N962	11	4.5	66	2.0	8.0	8.4	±0.076
THZ012A10	1N5242, 1N759	12	4.2	71	1.0	8.7	9.1	±0.077
THZ013A10	1N5243, 1N964	13	3.8	74	0.5	9.4	9.9	±0.079
THZ014A10	1N5244	14	3.6	33	0.1	9.5	10	±0.082
THZ015A10	1N5245, 1N965	15	3.3	37	0.1	10.5	11	±0.082
THZ016A10	1N5246, 1N966	16	3.1	42	0.1	11.4	12	±0.083
THZ017A10	1N5247	17	2.9	47	0.1	12.4	13	±0.084
THZ018A10	1N5248, 1N967	18	2.8	52	0.1	13.3	14	±0.085
THZ019A10	1N5249	19	2.6	58	0.1	13.3	14	±0.086
THZ020A10	1N5250, 1N968	20	2.5	65	0.1	14.3	15	±0.086
THZ022A10	1N5251, 1N969	22	2.3	70	0.1	16.2	17	±0.087
THZ024A10	1N5252, 1N970	24	2.1	92	0.1	17.1	18	±0.088
THZ025A10	1N5253	25	2.0	100	0.1	18.1	19	±0.089
THZ027A10	1N5254, 1N971	27	1.9	115	0.1	20	21	±0.090
THZ028A10	1N5255	28	1.8	120	0.1	20	21	±0.091
THZ030A10	1N5256, 1N972	30	1.7	140	0.1	22	23	±0.091
THZ033A10	1N5257, 1N973	33	1.5	170	0.1	24	25	±0.092
THZ036A10	1N5258, 1N974	36	1.4	200	0.1	26	27	±0.093
THZ039A10	1N5259, 1N975	39	1.3	230	0.1	29	30	±0.094
THZ043A10	1N5260, 1N976	43	1.2	280	0.1	31	33	±0.095
THZ047A10	1N5261, 1N977	47	1.1	330	0.1	34	36	±0.095
THZ051A10	1N5262, 1N978	51	0.98	390	0.1	37	39	±0.096
THZ056A10	1N5263, 1N979	56	0.89	460	0.1	41	43	±0.096
THZ060A10	1N5264	60	0.83	530	0.1	44	46	±0.097
THZ062A10	1N5265, 1N980	62	0.81	560	0.1	45	47	±0.097
THZ068A10	1N5266, 1N981	68	0.74	680	0.1	49	52	±0.097
THZ075A10	1N5267, 1N982	75	0.67	800	0.1	53	56	±0.098
THZ082A10	1N5268, 1N983	82	0.61	980	0.1	59	62	±0.098
THZ087A10	1N5269	87	0.57	1050	0.1	65	68	±0.099
THZ091A10	1N5270, 1N984	91	0.55	1150	0.1	66	69	±0.099
THZ100A10	1N5271, 1N985	100	0.50	1400	0.1	72	76	±0.110
THZ110A10	1N5272, 1N986	110	0.45	1700	0.1	80	84	±0.110
THZ120A10	1N5273, 1N987	120	0.42	2000	0.1	86	91	±0.110
THZ130A10	1N5274, 1N988	130	0.38	2300	0.1	94	99	±0.110
THZ140A10	1N5275	140	0.36	2700	0.1	101	106	±0.110
THZ150A10	1N5276, 1N989	150	0.33	3000	0.1	108	114	±0.110