

T-11-09

400 mW ZENER DIODES/DO-35

OPERATING/STORAGE TEMPERATURE -65°C to +175°C

Type No.	Nominal Zener Voltage $V_Z @ I_{ZT}$	Zener Test Current I_{ZT}	Maximum Zener Impedance $Z_{ZT} @ I_{ZT}$	Maximum Reverse Current @ $V = 1$ Volt		Maximum Zener Current I_{ZM}	Typical Temp Coefficient Zener Voltage α_{VZ}
				@25°C	@+150°C		
	VOLTS	mA	OHMS	μA	μA	mA	%/°C
1N746A 1N747A 1N748A	3.3 3.6 3.9	20 20 20	28 24 23	10 10 10	30 30 30	110 100 95	SEE VALUES FOR TYPES 1N5226B THRU 1N5242B ON PAGE 23
1N749A 1N750A 1N751A 1N752A	4.3 4.7 5.1 5.6	20 20 20 20	22 19 17 11	2.0 2.0 1.0 1.0	30 30 20 20	85 75 70 65	
1N753A 1N754A 1N755A 1N756A	6.2 6.8 7.5 8.2	20 20 20 20	7.0 5.0 6.0 8.0	0.1 0.1 0.1 0.1	20 20 20 20	65 55 50 45	
1N757A 1N758A 1N759A	9.1 10.0 12.0	20 20 20	10 17 30	0.1 0.1 0.1	20 20 20	40 35 30	

NOTE: Suffix "A" Indicates 5% Tolerance.

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Type No.	Nominal Zener Voltage V _Z @ I _{ZT}	Test Current I _{ZT}	Maximum Zener Impedance			Typical Temperature Coefficient	Maximum Reverse Current @25°C		Maximum Regulator Current I _{ZM}
			Z _{ZT} @I _{ZT}	Z _{ZK} @ I _{ZK}			I _R	V _R	
			Ohms	Ohms	mA		μA	V	
1N957B	6.8	18.5	4.5	700	1.0	+0.050	150	5.2	47
1N958B	7.5	16.5	5.5	700	0.5	+0.058	75	5.7	42
1N959B	8.2	15	6.5	700	0.5	+0.062	50	6.2	38
1N960B	9.1	14	7.5	700	0.5	+0.068	25	6.9	35
1N961B	10	12.5	8.5	700	0.25	+0.075	10	7.6	32
1N962B	11	11.5	9.5	700	0.25	+0.076	5	8.4	28
1N963B	12	10.5	11.5	700	0.25	+0.077	5	9.1	26
1N964B	13	9.5	13	700	0.25	+0.079	5	9.9	24
1N965B	15	8.5	16	700	0.25	+0.082	5	11.4	21
1N966B	16	7.8	17	700	0.25	+0.083	5	12.2	19
1N967B	18	7.0	21	750	0.25	+0.085	5	13.7	17
1N968B	20	6.2	25	750	0.25	+0.086	5	15.2	15
1N969B	22	5.6	29	750	0.25	+0.087	5	16.7	14
1N970B	24	5.2	33	750	0.25	+0.088	5	18.2	13
1N971B	27	4.6	41	750	0.25	+0.090	5	20.6	11
1N972B	30	4.2	49	1000	0.25	+0.091	5	22.8	10
1N973B	33	3.8	58	1000	0.25	+0.092	5	25.1	9.0
1N974B	36	3.4	70	1000	0.25	+0.093	5	27.4	8.5
1N975B	39	3.2	80	1000	0.25	+0.094	5	29.7	7.8
1N976B	43	3.0	93	1500	0.25	+0.095	5	32.7	7.0
1N977B	47	2.7	105	1500	0.25	+0.095	5	35.8	6.4
1N978B	51	2.5	125	1500	0.25	+0.096	5	38.8	5.9

NOTE: Suffix B Indicates 5% Tolerance.