

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 αV _Z
				@25°C	@+150°C		
	VOLTS	mA	OHMS	μA	μA	mA	%/°C
1N746A	3.3	20	28	10	30	110	SEE VALUES FOR TYPES 1N5226B THRU 1N5242B ON PAGE 23
1N747A	3.6	20	24	10	30	100	
1N748A	3.9	20	23	10	30	95	
1N749A	4.3	20	22	2.0	30	85	
1N750A	4.7	20	19	2.0	30	75	
1N751A	5.1	20	17	1.0	20	70	
1N752A	5.6	20	11	1.0	20	65	
1N753A	6.2	20	7.0	0.1	20	65	
1N754A	6.8	20	5.0	0.1	20	55	
1N755A	7.5	20	6.0	0.1	20	50	
1N756A	8.2	20	8.0	0.1	20	45	
1N757A	9.1	20	10	0.1	20	40	
1N758A	10.0	20	17	0.1	20	35	
1N759A	12.0	20	30	0.1	20	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.