



400mW Zener Diodes 1N746 thru 1N759

GENERAL DESCRIPTION

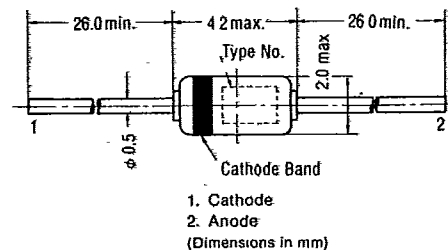
The Hitachi 400mW ZENER DIODE series 1N747 thru 1N759 are especially designed for stabilized power supply, clipper, limiter, and surge absorber applications.

These devices are available in DO-35 glass packages, and assure high reliability.

ABSOLUTE MAXIMUM RATINGS ($T_a = 25^\circ\text{C}$)

ITEM	SYMBOL	RATINGS	UNIT
Junction temperature	T_j	175	$^\circ\text{C}$
Power dissipation	P_d	400	mW
Storage temperature	T_{stg}	-55 to 175	$^\circ\text{C}$

OUTLINE DIMENSION



ELECTRICAL CHARACTERISTICS ($T_a = 25^\circ\text{C}$)

TYPE NO.	ZENER VOLTAGE				ZENER IMPEDANCE		REVERSE CURRENT	
	min. V	typ. V	max. V	@ I_z mA	max. ohm	@ I_z mA	max. μA	@ V_R V
1N746	2.97	3.3	3.63	20	28	20	10	1
1N747	3.24	3.6	3.96	20	24	20	10	1
1N748	3.51	3.9	4.29	20	23	20	10	1
1N749	3.87	4.3	4.73	20	22	20	2	1
1N750	4.23	4.7	5.17	20	19	20	2	1
1N751	4.59	5.1	5.61	20	17	20	1	1
1N752	5.04	5.6	6.61	20	11	20	1	1
1N753	5.58	6.2	6.82	20	7	20	0.1	1
1N754	6.12	6.8	7.48	20	5	20	0.1	1
1N755	6.75	7.5	8.25	20	6	20	0.1	1
1N756	7.38	8.2	9.02	20	8	20	0.1	1
1N757	8.19	9.1	10.01	20	10	20	0.1	1
1N758	9.0	10.0	11.0	20	17	20	0.1	1
1N759	10.8	12.0	13.2	20	30	20	0.1	1

NOTE: Tolerance designation

Units with guaranteed limits are indicated by non-suffix for $\pm 10\%$ tolerance, suffix "A" for $\pm 5\%$.