

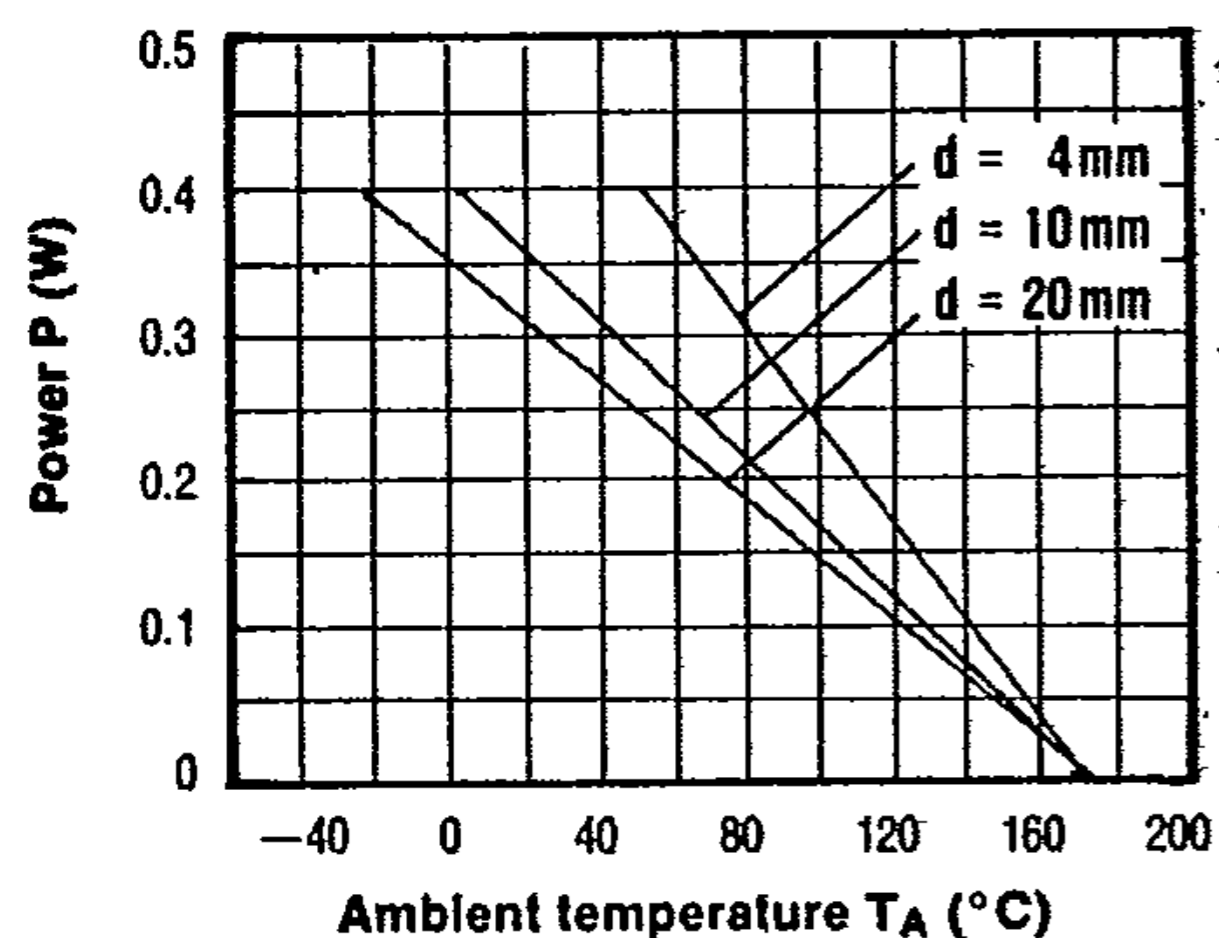
400mW Zener Diodes 1N702 thru 1N707

GENERAL DESCRIPTION

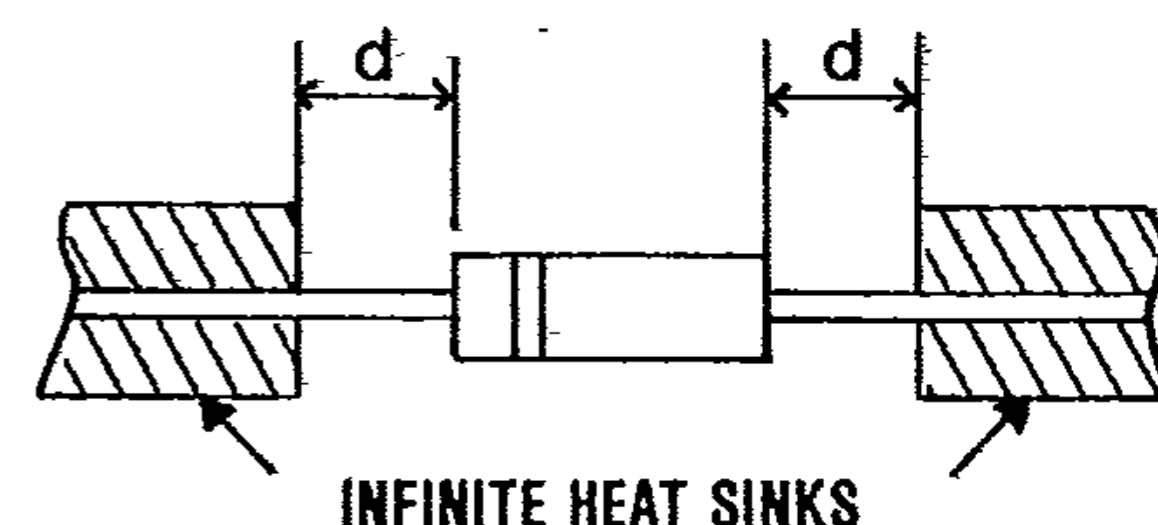
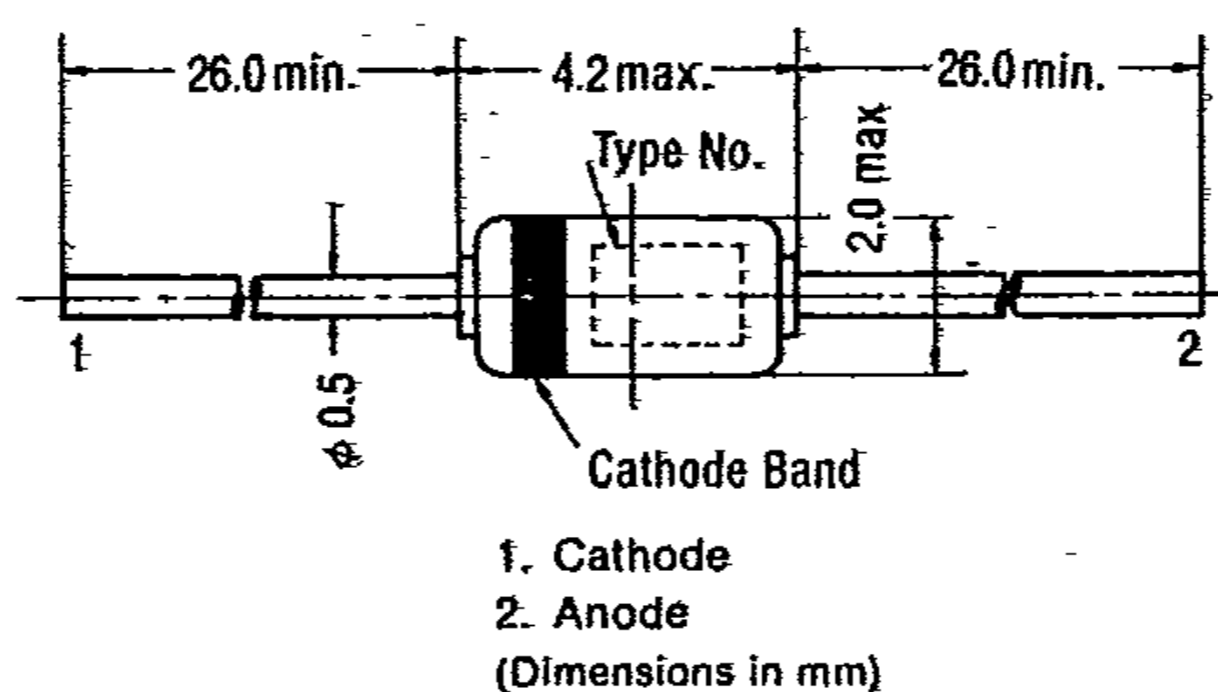
The Hitachi 400mW ZENER DIODE series 1N702 THRU 1N707 are especially designed for stabilized power supply, clipper, limiter, and surge absorber applications.

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

MAXIMUM POWER DISSIPATION



OUTLINE DIMENSION



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

ITEM	SYMBOL	RATINGS	UNIT
Power dissipation	P	400	mW
Storage temperature	T_{stg}	-65 to 200	°C
Lead temperature	T_L	230	°C
Continuous reverse current	I_{zM}		

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

TYPE	V_Z ZENER VOLTAGE			Z_Z ZENER IMPEDANCE	I_R REVERSE CURRENT		V_F FORWARD VOLTAGE	I_{zM} CONTINUOUS REVERSE CURRENT	$V_{R(1)}$ TEST VOLTAGE
	Test Cond.	$I_{ZT} = 5\text{mA}$			$I_{ZT} = 10\text{mA}$ $I_{zt} = 1\text{mA}$	$T_a = 25^\circ\text{C}$			
Limits	Min.	Nom.	Max.	Max.	Max.	Max.	Max.	mA	V
Unit	V			ohms	μA	μA	V	mA	V
1N702	2.00	2.60	3.20	60	75	100	1	87	1
1N703	3.00	3.45	3.90	55	50	100	1	66	1
1N704	3.70	4.10	4.50	45	5	100	1	58	1
1N705	4.30	4.85	5.40	35	5	100	1	48	1.5
1N706	5.20	5.80	6.40	20	5	100	1	41	1.5
1N707	6.20	7.10	8.00	10	5	50	1	33	1.5

NOTE: Tolerance designation

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