


HITACHI

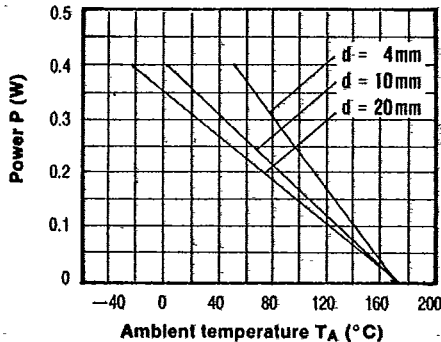
400mW Zener Diodes 1N761 thru 1N769

GENERAL DESCRIPTION

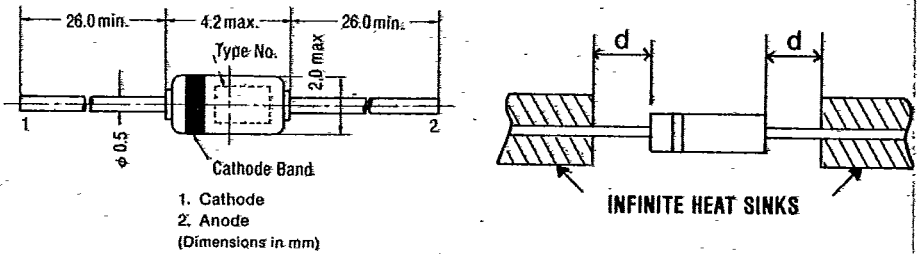
The Hitachi 400mW ZENER DIODE series 1N761 THRU 1N769 are especially designed for stabilized power supply, clipper, limiter, and surge absorber applications.

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 +150	°C
Lead temperature	T_L	230	°C
Continuous reverse current	I_{ZM}	See electrical characteristics	

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

TYPE	V_Z ZENER VOLTAGE			Z_Z ZENER IMPEDANCE	I_{ZM} CONTINUOUS REV. CURRENT		I_{ZT} TEST CURRENT
	$I_R = I_{ZT}$			$I_R = I_{ZT}$ $I_r = 10\% I_{ZT}$ $f = 60\text{Hz}$	$T_a = 25^\circ\text{C}$	$T_a = 150^\circ\text{C}$	
Limits	Min.	Nom.	Max.	Max.			
Unit	V			ohms	μA		mA
1N761	4.3	4.85	5.4	40	50	10	10
1N762	5.2	5.80	6.4	18	40	8	10
1N763	6.2	7.10	8.0	7	30	6	10
1N764	7.5	8.75	10.0	12	25	5	10
1N765	9.0	10.50	12.0	45	20	4	5
1N766	11.0	12.75	14.5	55	17	3.5	5
1N767	13.5	15.75	18.0	70	14	3	5
1N768	17.0	19.00	21.0	100	12	2.5	5
1N769	20.0	23.50	27.0	150	10	2	5