

HJT7 Monolithic IC Zener Diode for Temperature Compensation

HITACHI

Rev. 1
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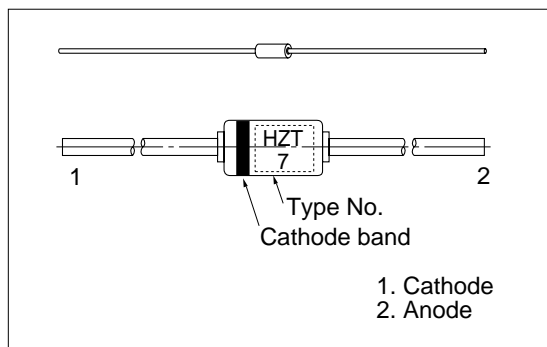
Features

- Lower temperature coefficient of the reference voltage.
($\gamma_Z = \pm 0.002$ to ± 0.01 %/°Cmax)

Ordering Information

Type No.	Mark	Package Code
HJT7	Type No.	DO-35

Outline



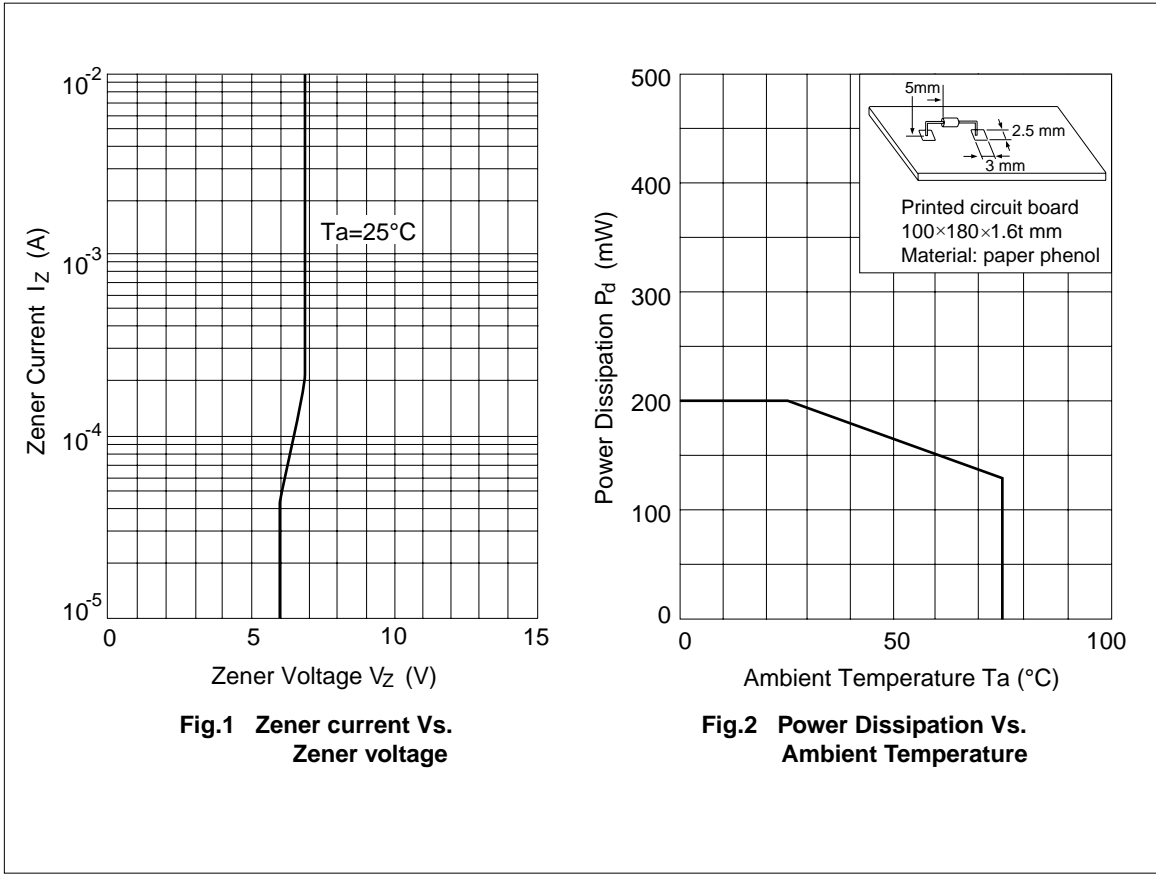
Absolute Maximum Ratings (Ta = 25°C)

Item	Symbol	Value	Unit
Power dissipation	P_d	200	mW
Operation temperature	T_{opr}	-40 to + 85	°C
Storage temperature	T_{stg}	-40 to +175	°C

Electrical Characteristics (Ta = 25°C)

Type	Zener Voltage			Dynamic Resistance		Temperature Coefficient		
	V_Z (V)		Test Condition	r_d (Ω)	Test Condition	γ_Z (%/°C)	Test Condition	T_a (°C)
	Min	Max	I_Z (mA)	Max	I_Z (mA)	Max	I_Z (mA)	
HJT7A1	6.5	7.0	10	20	10	± 0.01	10	-40 to 25 to 85
HJT7A2						± 0.005		
HJT7A3						± 0.002		
HJT7B1	6.5	7.0	5	25	5	± 0.01	5	-40 to 25 to 85
HJT7B2						± 0.005		
HJT7B3						± 0.002		
HJT7C1	6.5	7.0	1	100	1	± 0.01	1	-40 to 25 to 85
HJT7C2						± 0.005		

HZT7



Package Dimensions

Unit: mm

