

MTE872TM

Features

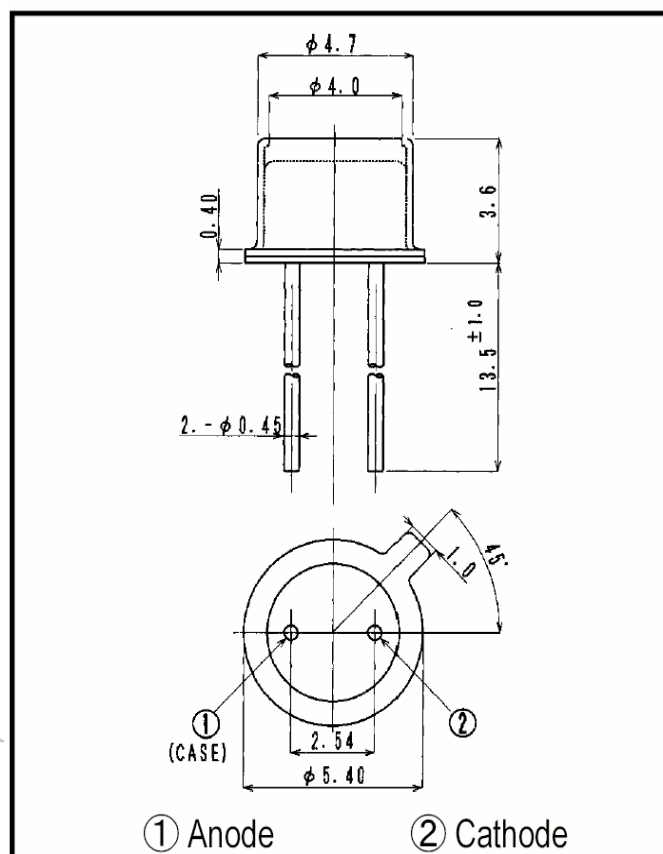
High output power
High reliability

Applications

Optical switches
Linear rotary encoder

Maximum Ratings (Ta=25°C)

Characteristic	Symbol	Max.	Test Condition	Unit
Forward Current	I _F	100	—	mA
Pulsed Forward Current	I _{FP}	1.00	tw=10μS, T=10mS	A
Reverse Voltage	V _R	5	—	V
Power Dissipation	P _D	200.00	—	mW
Operating Temperature	T _{opr}	-20 ~ +85	—	°C
Storage Temperature	T _{stg}	-30 ~ +100	—	°C
Junction Temperature	T _j	+100°	—	°C
Soldering Temperature	T _{sol}	260°	for 5 sec. max	°C



① Anode ② Cathode

Dimensions (Unit:mm)

Opto-Electrical Characteristics (Ta=25°C)

Characteristic	Symbol	Test Condition	Min	Typ	Max	Unit
Forward Voltage	V _F	I _F =50mA	—	1.55	2.00	V
Reverse Current	I _R	V _R =5V	—	—	10	μA
Power Output	P _O	I _F =50mA	—	13.00	—	mW
Half Intensity Beam Angle	θ	—	—	± 15°	—	deg.
Peak Wavelength	λ _p	I _F =50mA	—	870	—	nm
Spectral Line Half Width	Δλ	I _F =50mA	—	45	—	nm

Specification is subject to change without notice.

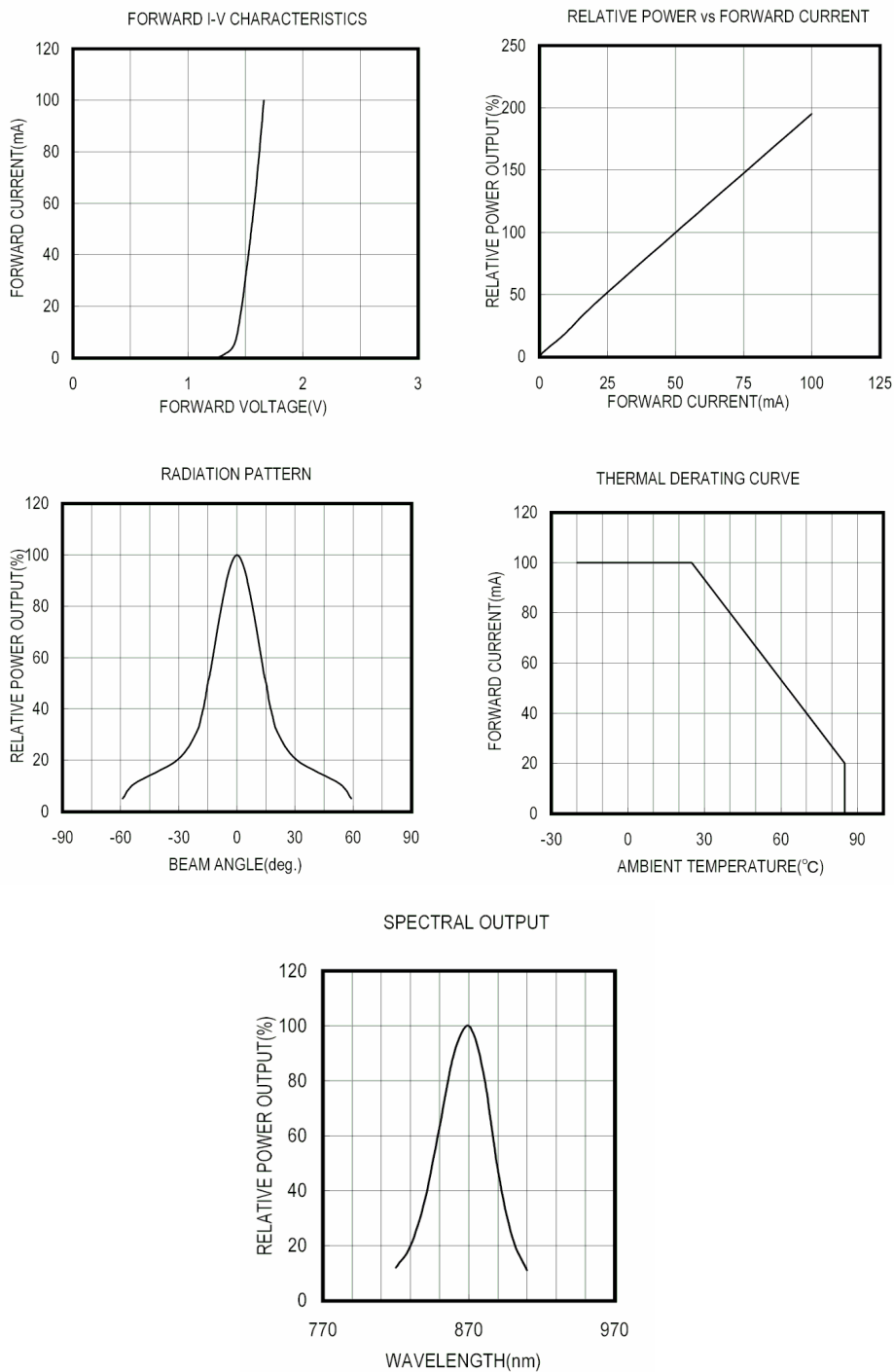
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MTE872TM Graphs



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