

MTD2001M

Features

High Reliability
Low Dark Current
Compact Package

Applications

Optical Switches
Optical Sensors
Optical Detectors

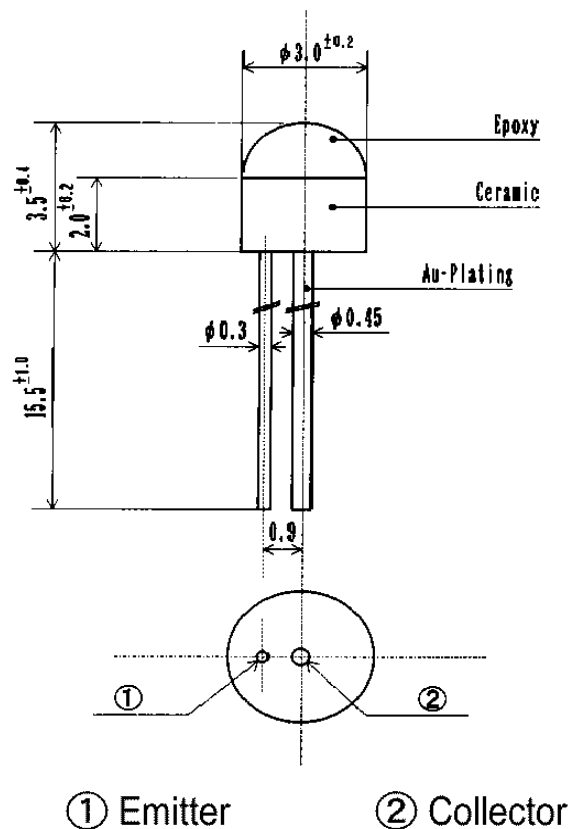
Maximum Ratings (Ta=25°C)

Characteristic	Symbol	Max.	Test Condition	Unit
Reverse Voltage	V _R	20	—	V
Power Dissipation	P _D	70.00	—	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

Opto-Electrical Characteristics (Ta=25°C)

Characteristic	Symbol	Test Condition	Min	Typ	Max	Unit
Open Circuit Voltage	V _{oc}	Ee=5mW/cm ²	.35	—	—	V
Light Current	I _L	V _r =10V, Ee=5mW/cm ²	—	20.00	—	μA
Dark Current	I _D	V _r =10V	—	—	5	nA
Spectral Sensitivity	λ	—	—	400 ~ 1100	—	μA
Peak Sensitivity Wavelength	λ _p	—	—	950	—	V
Beam Angle	θ	—	—	± 65°	—	deg.
Junction Capacitance	C _j	1 MHz, V=0V	—	80	—	pF

* Color Temperature = 2870°K Standard Tungsten Lamp



MTD2001M Graphs

