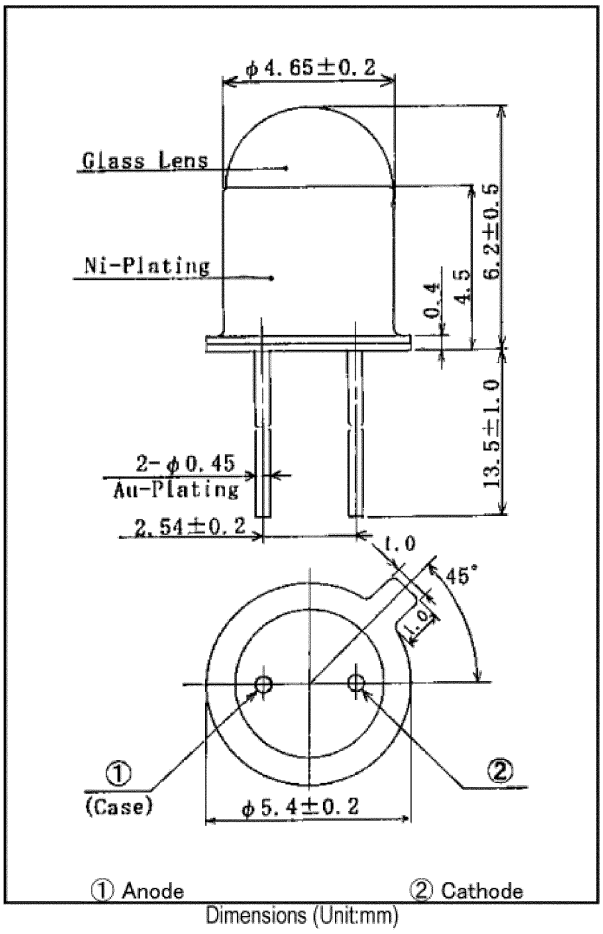
Marktech Optoelectronics

Photo Transistor

MTD8060N



Dimensions (Unit:mm)

Features

High Reliability in Demading Enviroments
Metal Can Package

Applications

Smoke Detectors
Optical Sensors
Optical Switches
Edge Sensing

Maximum Ratings (Ta=25°C)

Characteristic	Symbol	Max.	Test Condition	Unit
Collector Power Dissipation	P_C	250	−	mW
Collector−Emitter Voltage	V_{CE}	30	−	V
Emitter−Collector Voltage	V_{EC}	5	−	V
Collector Current	I_C	50	−	mA
Operating Temperature	T_{opr}	−30 ~ +100	−	°C
Storage Temperature	T_{stg}	−40 ~ +125	−	°C
Junction Temperature	T_j	125	−	°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
C−E Saturation Voltage	VCE(sat)	Ic=0.2mA,Ee=5mW/cm2*	−	.20	−	μA
Light Current	I_L	Vce=20V, Ee=0.5mW/cm2*	−	3.00	−	μA
Dark Current	I_D	Vce=20V, Ee=0.5mW/cm2*	−	−	100	nA
Spectral Sensitivity	λ	−	−	400~1100	−	μA
Peak Sensitivity Wavelength	λp	−	−	880	−	V
Beam Angle	θ	−	−	± 12°	−	deg.
Rise Time	T_r	RL=100,Vce=5V,Ic=0.5mA	−	10.00	−	ns
Fall Time	T_f	RL=100,Vce=5V,Ic=0.5mA	−	10.00	−	ns

*Color Temperature=2870ºK Standard Tungston Lamp

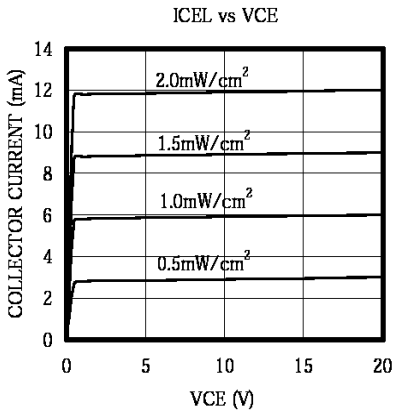
Company Headquarters
3 Northway Lane North
Latham, New York 12110
Toll Free: 800.984.5337
Fax: 518.785.4725

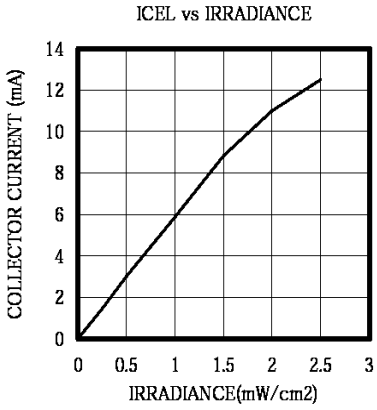
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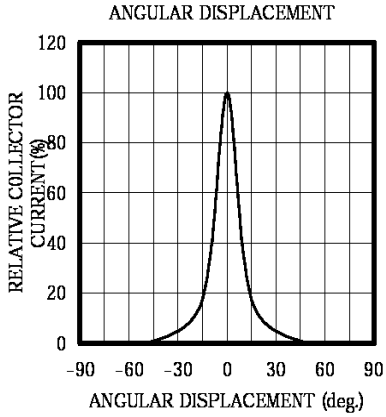
Web: www.marktechopto.com | Email: info@marktechopto.com

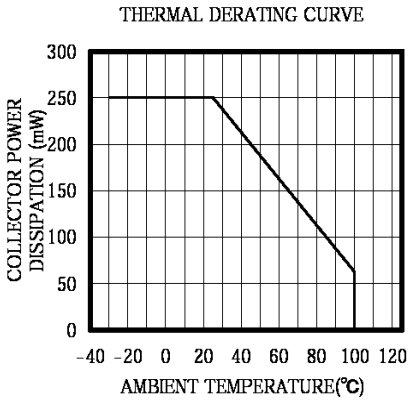
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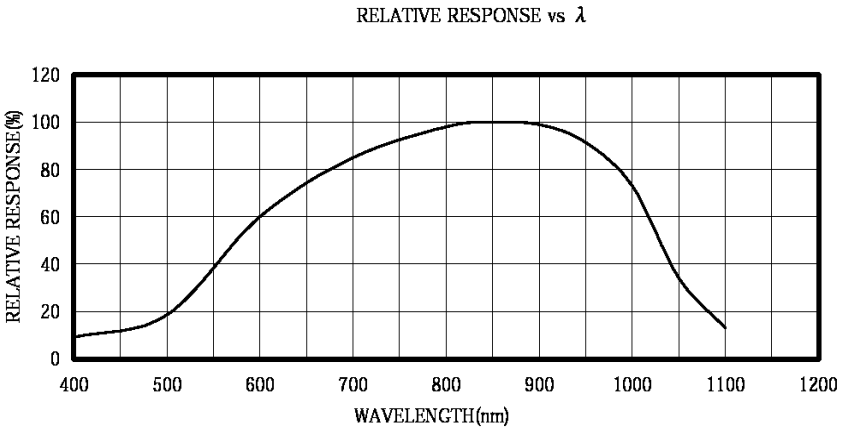
MTD8060N Graphs











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