

MT5050N-UG

Features

Blue-Green Color
High Output Power
Narrow Beam Angle
High Reliability

Applications

Color Sensor
Paper Sensor
Bar Code Reader

Maximum Ratings (Ta=25°C)

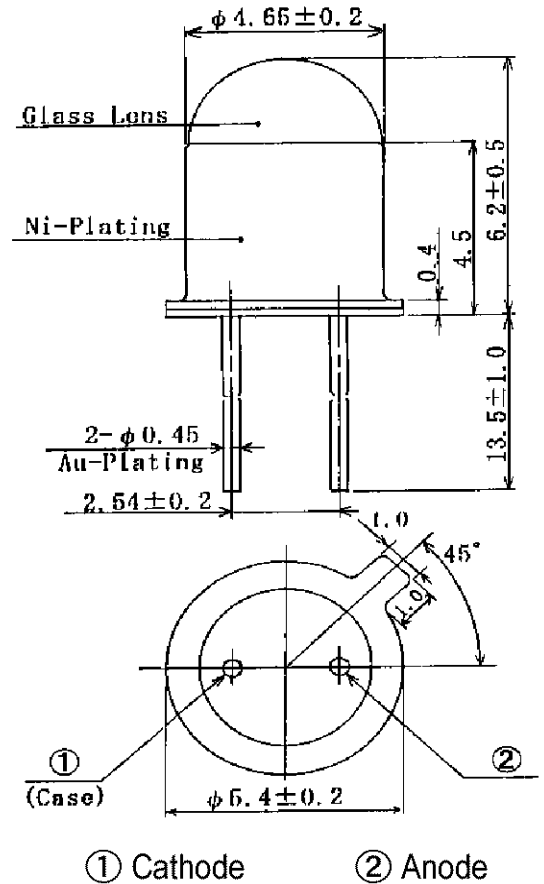
Characteristic	Symbol	Max.	Test Condition	Unit
Forward Current	I _F	30	—	mA
Pulsed Forward Current	I _{FP}	.30	tw=10μS, T=10mS	A
Reverse Voltage	V _R	5	—	V
Power Dissipation	P _D	120.00	—	mW
Operating Temperature	T _{opr}	-20~+85	—	°C
Storage Temperature	T _{stg}	-30 ~+100	—	°C
Junction Temperature	T _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
Forward Voltage	V _F	I _F =20mA	—	3.40	4.00	V
Reverse Current	I _R	V _R =5V	—	—	100	μA
Power Output	P _O	I _F =20mA	—	1.50	—	mW
Half Intensity Beam Angle	θ	—	—	± 12°	—	deg.
Peak Wavelength	λ _p	I _F =20mA	—	500	—	nm
Dominant Wavelength	λ _d	I _F =20mA	—	505	—	nm
Spectral Line Half Width	Δλ	I _F =20mA	—	35	—	nm

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

West Coast Sales Office
950 South Coast Drive, Suite 265
Costa Mesa, California 92626
Toll Free: 800.984.5337
Fax: 714.850.9314



MT5050N-UG Graphs

