

MTPS4088WG

Features

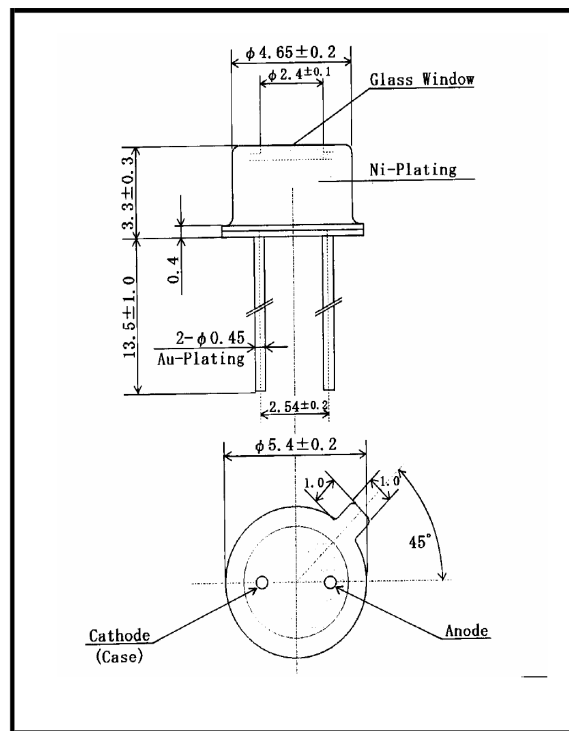
Point Source LED
High Output Power
Small Temp Coefficient of PO
High Reliability in Demanding Enviroments

Applications

Optical Switches
Optical Instruments

Maximum Ratings (Ta=25°C)

Characteristic	Symbol	Max.	Test Condition	Unit
Forward Current	I _F	80	—	mA
Pulsed Forward Current	I _{FP}	0.40	tw=10S, T=10μ S	A
Reverse Voltage	V _R	5	—	V
Power Dissipation	P _D	150.00	—	mW
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



Dimensions (Unit:mm)

Opto-Electrical Characteristics (Ta=25°C)

Characteristic	Symbol	Test Condition	Min	Typ	Max	Unit
Forward Voltage	V _F	I _F =50mA	—	1.90	2.40	V
Reverse Current	I _R	V _R =5V	—	—	10	μA
Power Output	PO	I _F =50mA	2.00	3.00	—	mW
Half Intensity Beam Angle	θ	—	—	± 50°	—	deg.
Peak Wavelength	λ _p	I _F =50mA	—	880	—	nm
Spectral Line Half Width	Δλ	I _F =50mA	—	60	—	nm
Temp Coefficient of PO	P/T	I _F =10mA	—	-.50	—	%/°C
Temp Coefficient of VF	V/T	I _F =10mA	—	-2.30	—	mV/°C
Junction Capacitance	C _j	1MHz, V=0V	—	40	—	pF

Company Headquarters

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

California Sales Office:

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

MTPS4088WG Graphs

