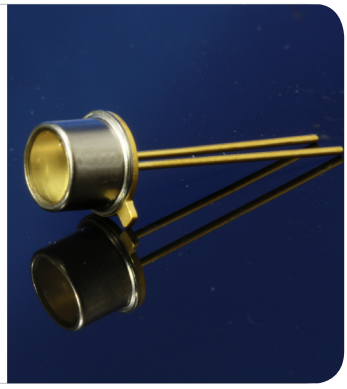
Marktech Optoelectronics

Photo Diode

Product No: **MTD5052W**

Peak Sensitivity Wavelength: 525nm

Visible Photo Diode enhanced for the Blue/Green Spectrum



FEATURES

> Hermetically Sealed TO-18
> Gold Plated Flat Top Can
> High Reliability
> Wide Angular Response

APPLICATIONS

> Optical Analytics
> Optical Switches
> Light Barriers
> Currency Validation

Absolute Maximum Ratings (Ta=25°C)

ITEMS	SYMBOL	RATINGS	UNIT
Reverse Voltage	VR	5	V
Operating Temperature Range	Topr	-20 ~ +85	°C
Storage Temperature Range	Tstg	-30 ~ +100	°C
Lead Soldering Temperature	Tls	260	°C

*1: Time 5 Sec max, Position: Up to 3mm from the body.

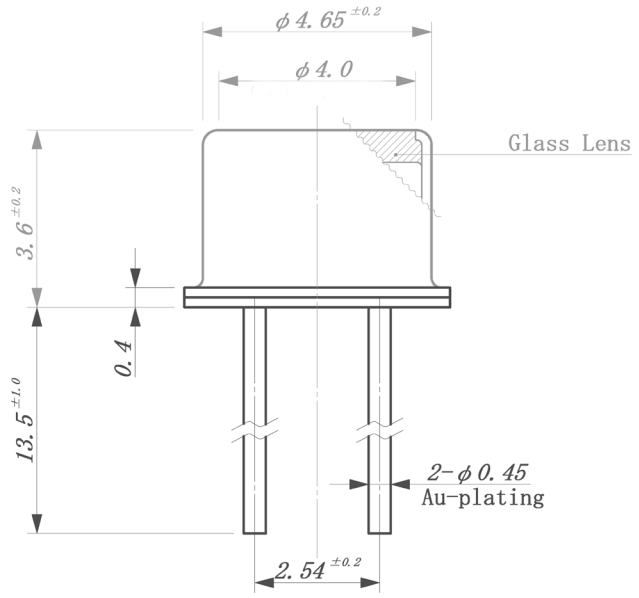
Electrical & Optical Characteristics (Ta = 25°C)

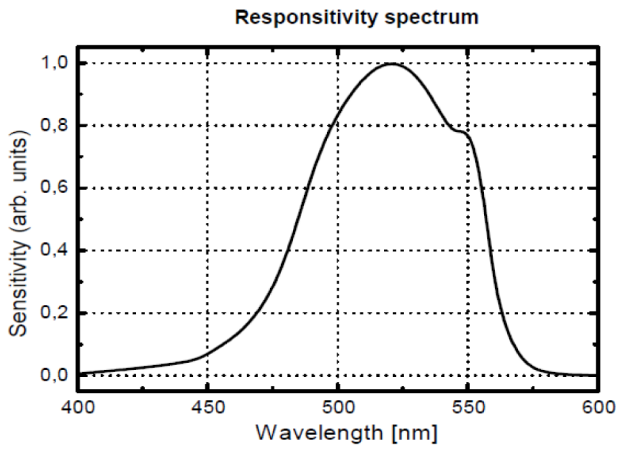
ITEMS	SYMBOL	CONDITIONS	MIN	TYP	MAX	UNIT
Light Current	IL	*1	2.5	4.0	--	μA
Dark Current	ID	VR=5V	--	5	30	pA
Spectral Sensitivity	λ	--	--	410--580	--	nm
Peak Sensitivity Wavelength	λp	--	--	525	--	nm
Responsivity	S	*2	--	0.3	--	A/W
Angular Response	Θ	--	--	±55	--	deg

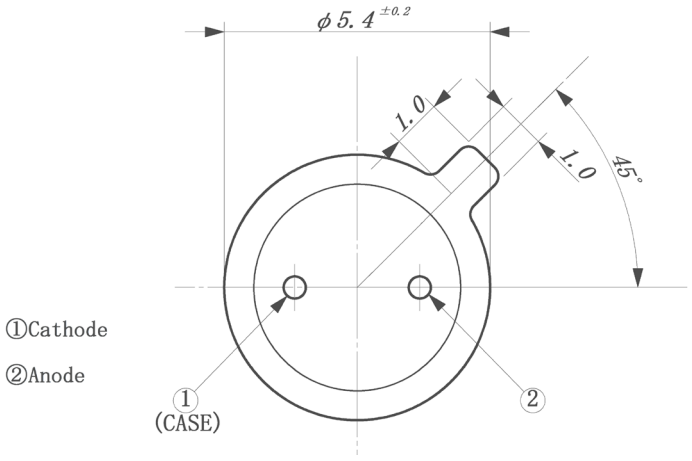
*1: VR=5V, λ=525nm, Ee=1mW/cm^2, *2: VR=0V, λ=525nm.

2011-07-20

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Unit: mm, Tolerance: ±0.2

The information contained herein is subject to change without notice.

2011-07-20

Unikeyic Electronics

Global Electronic Components Distributor

Click to view pricing, inventory, delivery, and lifecycle information:

Marktech Optoelectronics:

MTPD1346D-010 MTAPD-06-009 MTD3910W MTE1300N MTE4110D4 MTPS3085SMR1-IR MTE8600MC MTE8800W MTE8560P-C MTE8800N1 MTRS7010C MTSM5416SMR2S MTAPD-06-001 MTE4600P-C MTPS3085WC1 MTSM6414SMR2S MTE325H21-UV MTRS0012C MT2118-G-A MT5470E-OR MTE340F13-UV MTE4110C5 MTE340F11-UV MTE6114C2 MTE8600N2 MTPD3001D5-030 MTD3910G-F3 MTD6000PT-T MTE7063NK2-UR MTE8008N3