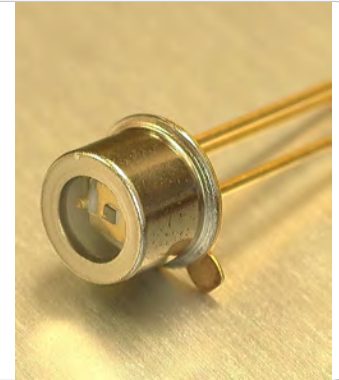


Sensitivity Wavelength Range: 220nm ~ 358nm

The MT12-001 is a high sensitivity and high reliability UV detector, it is ideally suited for applications requiring the detection of deep UV light. Custom packaging options this die are also available.

FEATURES

- > Hermetically Sealed Package
- > TO-46 Can Package
- > High Sensitivity
- > Spectral Range: 220nm - 358nm



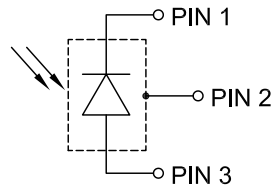
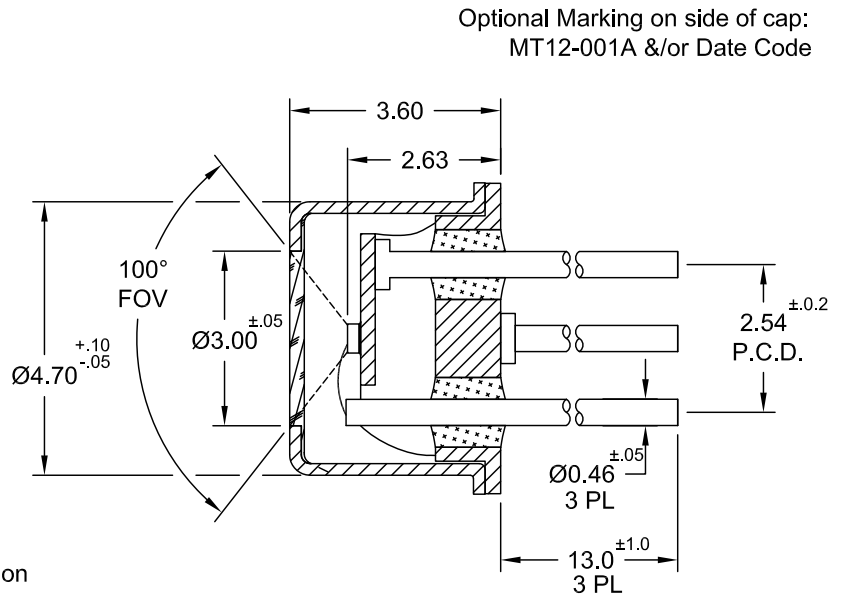
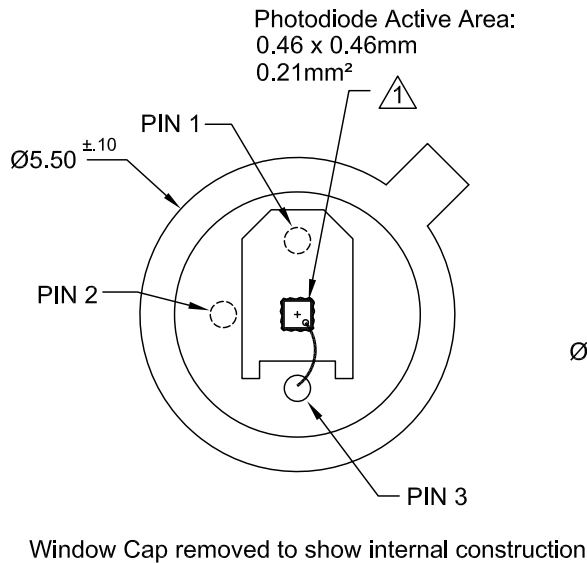
Absolute Maximum Ratings (Ta=25°C)

ITEMS	SYMBOL	RATINGS	UNIT
Operating Temperature Range	Topr	-55 to +170	°C
Storage Temperature Range	Tstg	-55 to +170	°C
Reverse Breakdown Voltage	VR	30	V

Electrical & Optical Characteristics (Ta = 25°C)

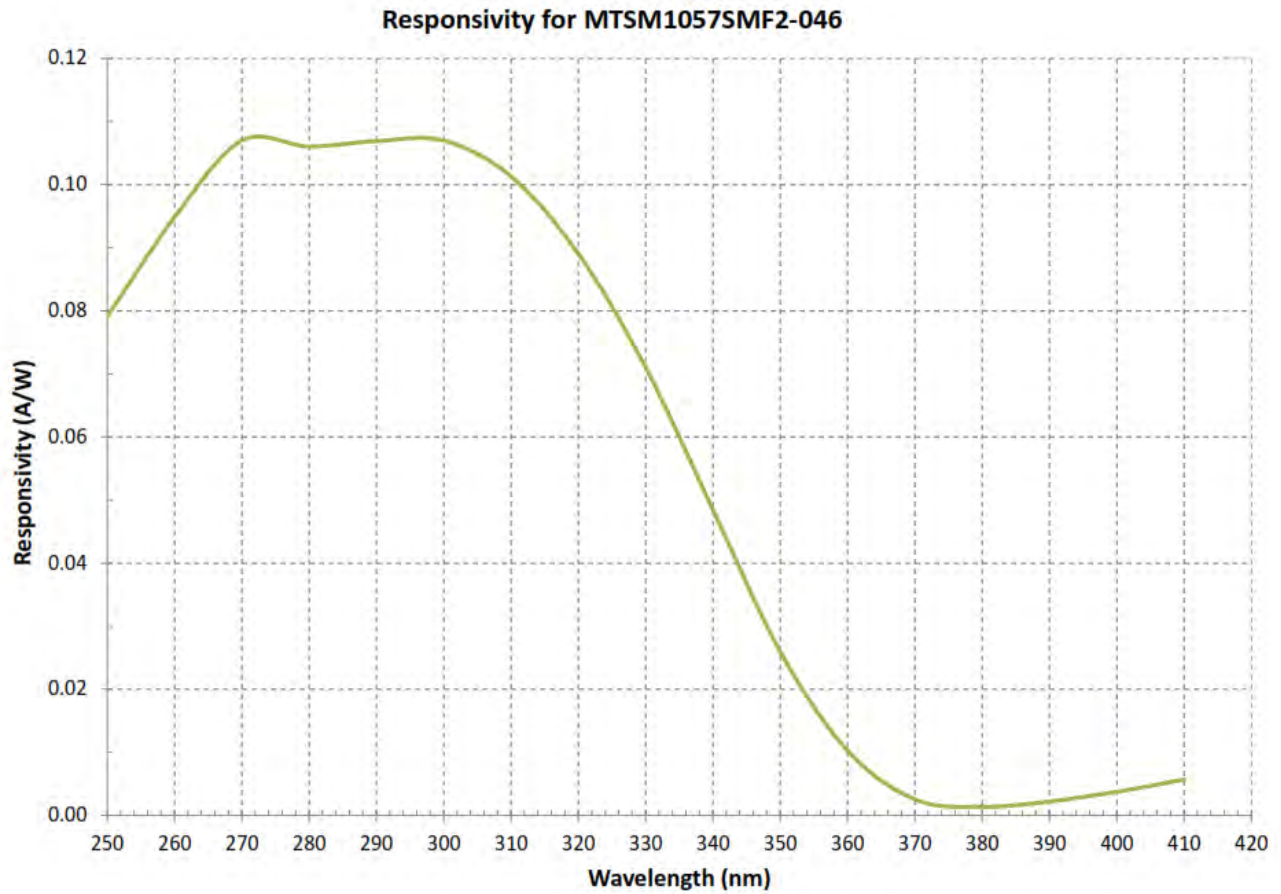
ITEMS	SYMBOL	CONDITIONS	MIN	TYP	MAX	UNIT
Responsivity	R	λ=220nm	--	0.013	--	A/W
Responsivity	R	λ=280nm	--	0.13	--	A/W
Responsivity	R	λ=358nm	--	0.013	--	A/W
Dark Current	ID	VR=1V	--	0.1	10	pA
Sensitivity Range	λ	VR=0V	220	--	358	nm
Breakdown Voltage	VB	IR=10uA	50	--	--	V
Capacitance	CS	V=0V, 1MHz	--	3.5	--	pF

Package Dimensions



Notes:

- 1. Die attach PD chip to center of header base within ±0.15mm.



The information contained herein is subject to change without notice.

2024-05-22