

FEATURES

A-Type:

- Average power detection

C-Type:

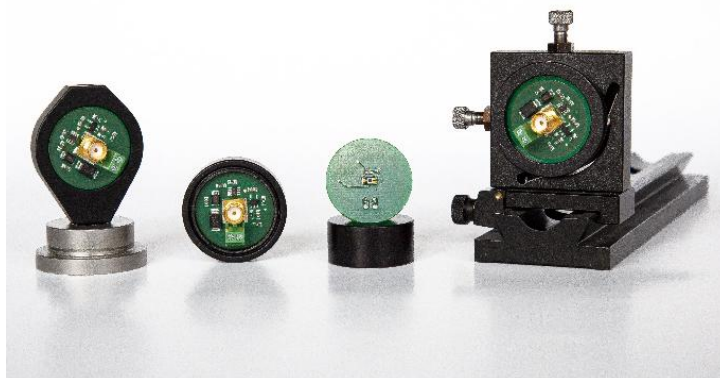
- Peak level detection

T-Type:

- Ultrafast pulse detection systems
- Variable threshold

Common:

- Easy to use with standard 1" lens holder
- Low-cost PCB-design
- Integrated amplifier
- Different wavelengths available
- 12 ... 24 V_{DC} wide input range power supply
- Free beam or fiber coupled available



PARAMETER

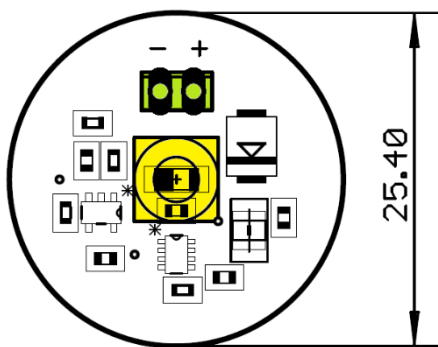
	PHOTODETECTOR		
TYPE	A-Type	C-Type	T-Type
Input bandwidth	10 kHz	300 MHz	1 GHz
Maximum output frequency	10 kHz	200 MHz	250 MHz
Gain	100 kV/A	20 kV/A	-
Output voltage	0 ... 10 V _{DC}	0 ... 10 V _{DC}	2,5 V TTL
Variable threshold adjustment	-	-	5 turn potentiometer
Minimum optical power	200 µW		
Input voltage	12 ... 24 V _{DC}		
Wavelength			
UV-TYPE	200 ... 1100 nm		
VI-TYPE	320 ... 1000 nm		
IR-TYPE	900 ... 1700 nm		
XI-TYPE	1000 ... 2600 nm		
PARAMETER	COMMON DATA		
Output connector	SMA		
Power consumption	<1 Watt		
Dimensions [mm] (Diameter x Height)	25,40 x 22,00 (Free beam) 25,40 x 30,00 (Fiber coupled)		
Weight (approx.)	5 g (Free beam) 15 g (Fiber coupled)		
Location of use	Only for inside use		

Environmental conditions	
Temperature range	
Operation	10 ... 40 °C
Storage	-10 ... 60 °C
Relative Humidity	
Operation	≤80 % (non-condensing)
Storage	≤99 % (non-condensing)
Vertical height of use	
Operation	3000 m
Storage	12000 m

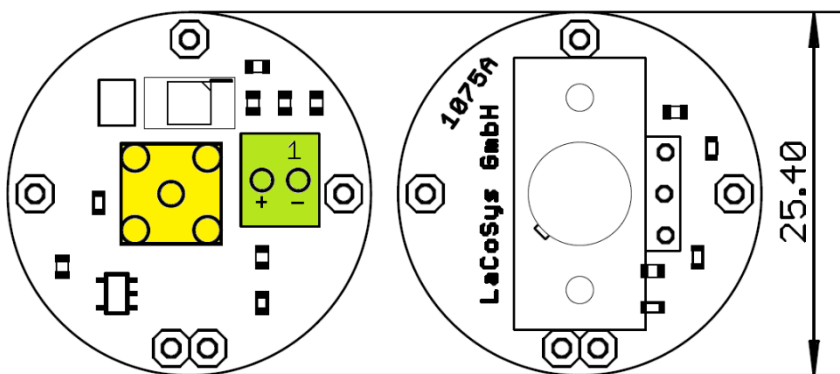
MECHANICAL DRAWINGS

A-Type & C-Type:

FB-TYPE: Free beam



FC-Type: Fiber coupled



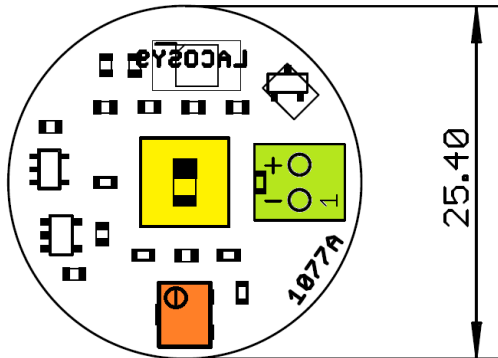
Size: 1"

DESCRIPTION:

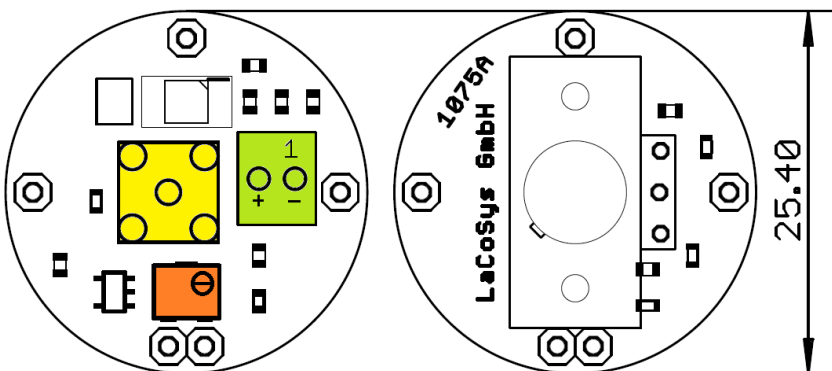
CONNECTOR	FUNCTION	SPECIFICATION AND REMARKS
1 (green marked)	Power supply	12 ... 24 V _{DC}
2 (yellow marked)	Output (SMA)	0 ... 10 V _{DC}

T-Type:

FB-Type: Free beam



FC-Type: Fiber coupled

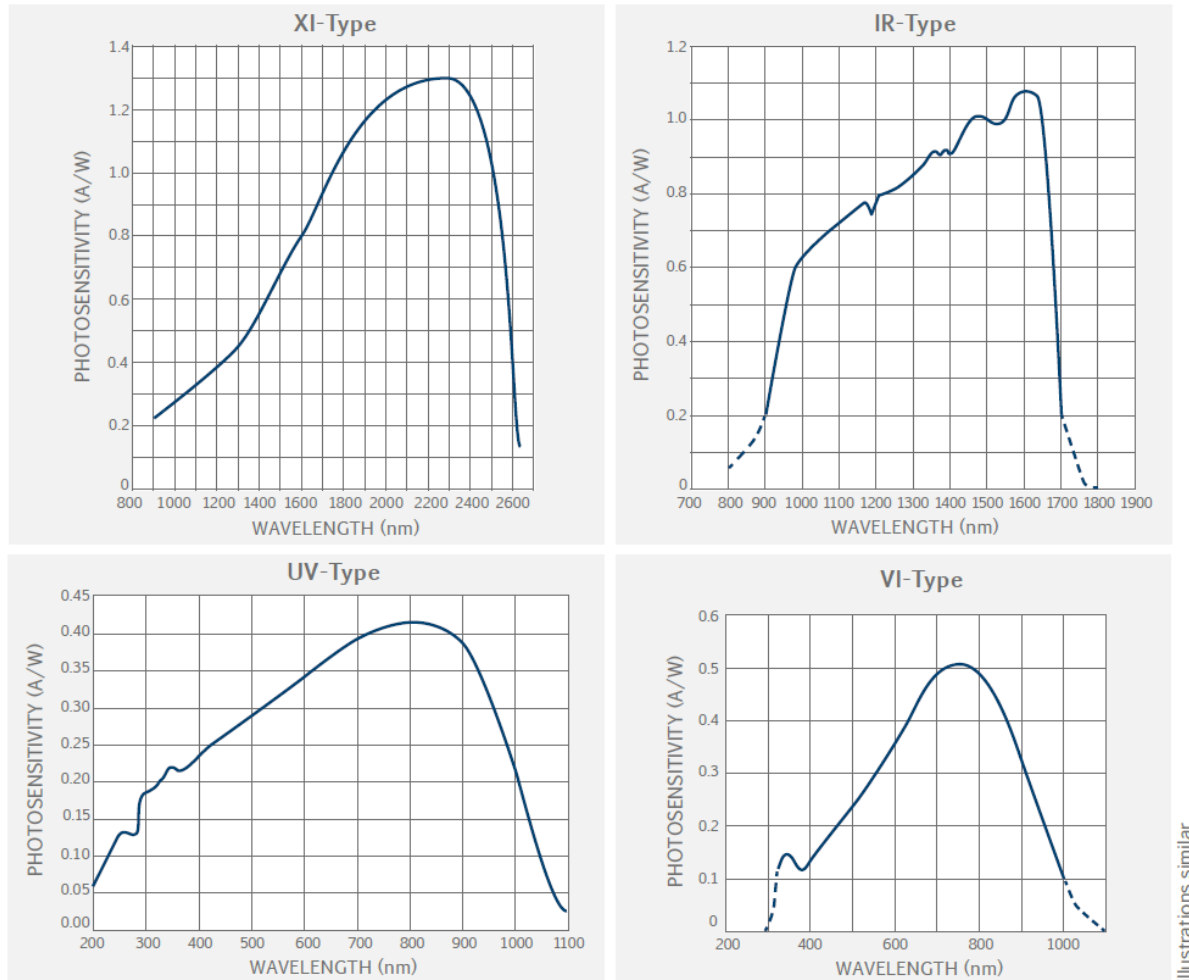


Size: 1"

DESCRIPTION:

CONNECTOR	FUNCTION	SPECIFICATION AND REMARKS
1 (green marked)	Power supply	12 ... 24 V _{DC}
2 (yellow marked)	Output (SMA)	TTL 2,5 V
3 (orange marked)	Variable threshold	5 turn potentiometer

SPECTRAL RESPONSE:



CONTACT

LaCoSys GmbH
Ernst-Ruska-Ring 23
D-07745 Jena
Tel.: +49 3641 2241514
mail@lacosys.com
lacosys.com
linkedin.com/company/lacosys-gmbh