



## THZ5B-BL-DA-D0

THz detector for power measurements up to 25 μW.



### PRODUCT FAMILY KEY FEATURES

#### RELATIVE MEASUREMENTS FROM 0.1 TO 30 THZ

Broadband, room temperature operation, easier to use and less expensive than a Golay cell

#### WIDE DYNAMIC RANGE FROM NW TO MW

With state of the art pyroelectric sensors, measure down to 50 nW with 1 nW resolution.

#### SEVERAL SENSOR SIZES AVAILABLE

Choice of 5 mm and 9 mm diameter

#### CALIBRATED AT 0.63 MM

THZ-B detectors are calibrated at a single wavelength (0.63 μm) and include typical wavelength correction data from 0.25 to 440 μm. They are used for relative measurements outside that range.

#### SDC-500 OPTICAL CHOPPER

All THZ-B detectors require the use of an optical chopper, like our SDC-500, to sync the signal at either 5 Hz (DA models) or 25 Hz (DZ models).

#### COMPATIBLE STAND

[STAND-D-233](#)



## SPECIFICATIONS

### MEASUREMENT CAPABILITIES

Maximum average power	25 μW
Noise equivalent power	1 nW
Spectral range <sup>1</sup>	10 - 3000 μm
Frequency <sup>2</sup>	0.1 - 30 THz
Typical rise time	0.2 s
Typical power sensitivity	70 kV/W
Chopping frequency <sup>3</sup>	5 Hz
Minimum repetition rate	1000 Hz

1. Projected spectral range. From 10 to 440 μm, spectrometer measurement. From 440 to 3000 μm, relative measurement only. This spectral range is subject to change.  
2. Projected spectral range. From 10 to 440 μm, spectrometer measurement. From 440 to 3000 μm, relative measurement only. This spectral range is subject to change.  
3. SDC-500 digital optical chopper sold separately

### DAMAGE THRESHOLDS

Maximum average power density	0.01 W/cm <sup>2</sup>
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### PHYSICAL CHARACTERISTICS

Aperture diameter	5 mm
Absorber	BL
Dimensions	66.0Ø x 46.5D mm
Weight	0.23 kg

### ORDERING INFORMATION

THZ5B-BL-DA-D0	202292
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Specifications are subject to change without notice. Refer to the user manual for complete specifications.

INTERESTED IN THIS PRODUCT?



GET A QUOTE

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