

THZ9B-BL-DA-D0

THz detector for power measurements up to 150 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 μm

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	150 μW
Noise equivalent power	3 nW
Spectral range ¹	10 - 3000 μm
Frequency	0.1 - 30 THz
Typical rise time	0.2 sec
Typical power sensitivity	20 kV/W
Chopping frequency	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.	
DAMAGE THRESHOLDS	
Maximum average power density	0.01 W/cm²
PHYSICAL CHARACTERISTICS	
Aperture diameter	9 mm
Absorber	BL
Dimensions	66.0Ø x 46.5D mm
Weight	0.23 kg
ORDERING INFORMATION	
THZ9B-BL-DA-D0	202294

INTERESTED IN THIS PRODUCT?

GET A QUOTE

