



VERY LOW NOISE LEVEL

### 3 SENSORS AVAILABLE

- PE-B-SI family: 3 and 10 mm Ø silicon sensors for 0.21 to 1.08  $\mu\text{m}$
- PE5B-GE: 5 mm Ø, germanium sensor for 0.8 to 1.65  $\mu\text{m}$
- PE3B-IN: 3 mm Ø, InGaAs sensor for 0.9 to 1.7  $\mu\text{m}$

Containing all the calibration data

## STAND-D-233

## SPECIFICATIONS

Spectral range <sup>1</sup>	800 - 1650 nm
Typical rise time	25 µs
Maximum repetition frequency	1000 Hz
Typical energy sensitivity	1 GV/J
Maximum measurable energy <sup>2</sup>	2.4 nJ
Noise equivalent energy <sup>3</sup>	1 pJ
Maximum pulse width	10 µs
Energy calibration uncertainty	±5.0 % (800 - 1049 nm) ±3.5 % (1050 - 1559 nm) ±7.0 % (1560 - 1629 nm) ±10 % (1630 - 1650 nm)

3. Nominal value. Actual value depends on environmental electromagnetic interference and wavelength.

Maximum average power density	320 MW/cm <sup>2</sup>
Maximum energy density	5 μJ/cm <sup>2</sup>
Maximum power	7.1 μW

Aperture diameter	5 mm
Absorber	Ge
Dimensions	38.1Ø x 27.4D mm&nbsp;&nbsp;&nbsp;
Weight	0.09 kg
Distance to sensor face	10.5 mm

PE5B-Ge-D0	202020
PE5B-Ge-INE-D0	

Specifications are subject to change without notice. Refer to the user manual for complete specifications.

## INTERESTED IN THIS PRODUCT?

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