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COHERENT®

Molectron
DETECTOR, INCORPORATED

Coherent acquires Molectron and establishes an integrated Laser Measurement and Control Solutions team.



J5-09
High-Gain Amplified Detector

LP-PWR Accessory



This small power supply allows the J5-09-series detectors to be used with instruments that have a BNC input—like the JD501 or most oscilloscopes.

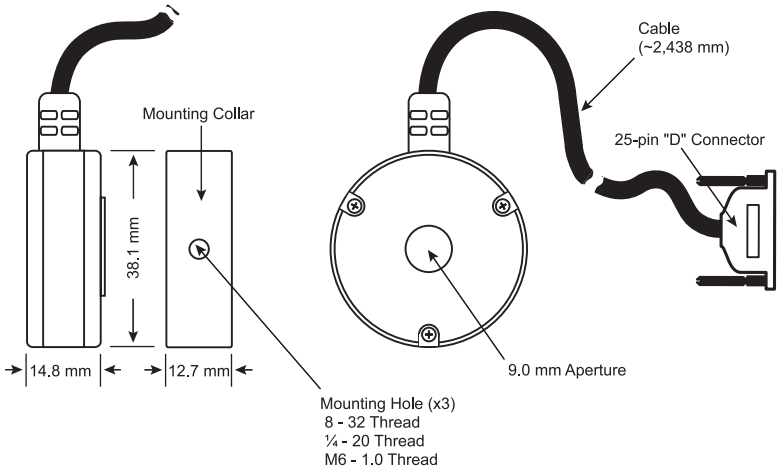
Specifications

	J5-09	J5-09B
Wavelength Range	0.15 to 12 µm	0.25 to 12 µm
Energy Range[1]	0.1 µJ to 0.1 mJ	0.5 µJ to 0.5 mJ
Max Average Power	0.5 W	0.5 W
Typical Response (Rv)	15,000 V/J	3,000 V/J
Max Rep Rate	1,000 pps[2]	1,000 pps
Max Pulse Width	10 µs	10 µs
Detector Coating	Chrome	Black
Detector Diameter	9 mm	9 mm
Calibration Uncertainty	± 2%	± 2%

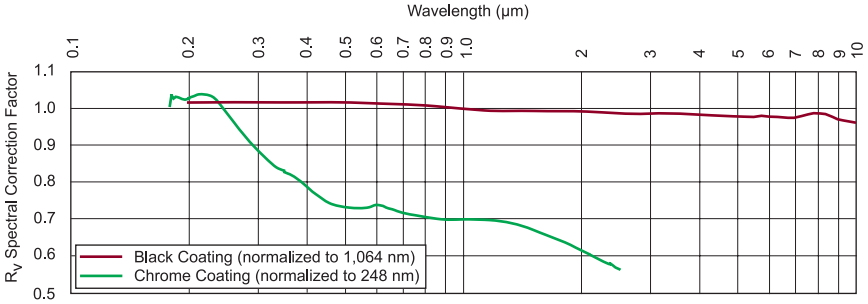
1 Maximum energy is pulse-width dependent.
2 Maximum rep rate of 20 kHz is possible when used with an oscilloscope.

Note: The J5-09-2K, -4K, and -10K have the same specifications as the J5-09, except for the maximum rep rate, which is 2,000, 4,000, and 10,000 pps, respectively. These detectors are instrument-specific and must be used in the following configurations: J5-09-2K with EPM1000, J5-09-4K with 4omega, and J5-09-10K with 3sigma.

Mechanical Details



R_v Spectral Correction for EnergyMax Coatings



ISO 9002 CERTIFIED

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