

Mounted Laser Power Detector

FEATURES

- Absolute power sensing of laser beams up to 50 W
- Highly sensitive thermopile sensor
- Sensitive to all wavelengths from UV to MIR
- 200 ms rise time
- Compact and robust design for system integration
- Optional: Amplification circuit board for electrical integration & detector calibration



gRAY C50-MC

Product Name	gRAY C50-MC
Article Number	A-072142
Detector Type	thermoelectric
Spectral Range [μm]	0.19 - 15
Aperture [mm]	26
Max. Power [W]	70 (active cooling necessary)
Minimum Detectable Power [mW]	5
Max. Average Power Density [kW/cm^2]	1.5
Typical Sensitivity (Z) [mV/W]	0.5 (adjustable with amplification circuit)
Rise Time (0-95%) [ms]	200
Operating Temperature Range Min/Max [$^{\circ}\text{C}$]	-40 / 85
Connector (Solder Pads)	top side
Outer Dimensions Mounting Plate (diameter / height) [mm]	55 / 7
Fixture	2x M4 screws
Optional Amplification board:	
Article Number	A-033001
Voltage Input [V]	12 - 27
Voltage Output [V]	0 - 10 or 0 - 5
Outer Dimensions (diameter / height) [mm]	55 / 7