

room-temperature, low-noise AMPLIFIED MCT DETECTOR

Specifications

Daylight Solutions is pleased to provide a fully integrated receiver with detector, low-noise amplifier, and temperature control, all in one compact package. Now you can get 245 °K performance with no external cooling.



- 2 stage TEC cooled detector to 245 °K
- Room Temperature Operation
- Wide Field of View, 78 degrees
- Photoconductive configuration

Detector Material:	HgCdTe
Spectral Response:	4–12 μm
D*:	$>2.5 \text{ E}^{+9} \text{ cm Hz}^{1/2}/\text{W}$
Active Detector Area:	1 mm X 1 mm
Fast Response:	<3 ns rise time
RF Output:	SMA connector
Responsivity:	$>2,500 \text{ V/W}$
Power Supplies:	+15VDC, +5 VDC
Power Consumption:	< 3 Watts
Dimensions:	3.0" X 1.75" X 1.90"

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