

# 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

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

Call today for updated pricing and availability.

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