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Materion ProIR™ Filters Allow Rapid R&D Prototyping

In-stock Filters Offer Superior Spectral Performance

WESTFORD, Mass.--(BUSINESS WIRE)-- Materion Precision Optics, a Materion Corporation (NYSE:MTRN) business, is announcing a new line of ProIR™ filters which will be offered in a range of wavelengths to meet individual customer needs. There is a growing demand in the infrared sensing market to quickly turnaround state-of-the-art high performance prototypes at low cost and to ensure a timely product launch. Because ProIR filters are available "off-the-shelf," they are a cost-effective means to faster prototyping for existing and emerging applications.

Available in Range of Wavelengths

Customers will now have the option to select from in-stock [ProIR filters](#) in a broad range of wavelengths from the mid-wave through long-wave IR (see table below). These filters deliver superior coating durability and spectral performance when coupled to a detector. As another available option, if the customer's requirements cannot be met using stock materials, Materion can also produce customized design solutions.

ProIR in Stock Mid-Wave - Long-Wave	
Gas to be Detected	CWL
HC	3.33um
CO ₂	4.26um
CO	4.60um
NO	5.3um
Motion/Thermal	8 - 14um WB
Atmospheric	3 - 5um WB
Reference	3.08um
	3.85um

*Custom design options available

Industry-Leading Advantages

[Materion Precision Optics](#) has over 40 years of experience in manufacturing complex optical filters from the UV to far IR. ProIR filters provide exceptional durability and spectral performance while ensuring maximum system performance. With the growth of applications that require sensors in everything from consumer electronics, automotive sensing, gas detection and smart homes, it is critical for Materion to be able to execute rapid prototypes at low cost. ProIR filters offer that advantage.

For assistance in choosing the appropriate ProIR filter for your application, contact Bill Christopoulos, Director of Commercial Business, by email: Basilios.Christopoulos@Materion.com or phone: (978) 392-4129.

Materion Precision Optics is a Materion Corporation business. Materion Corporation is headquartered in Mayfield Heights, Ohio. The company, through its wholly owned subsidiaries, supplies highly engineered advanced enabling materials to global markets. Products include precious and non-precious metals, inorganic chemicals and powders, specialty coatings, specialty engineered beryllium alloys, beryllium and beryllium composites, and engineered clad and plated metal systems.

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