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MWIR / LWIR MULTISPECTRAL FILTER ARRAYS

Abstract

Multispectral arrays have long been a key contributor to earth observation and remote sensing satellites. While many options are readily available in the VIS, NIR and even SWIR wavelength regions. Providing robust solutions in the MWIR and LWIR regions can often prove more challenging. Materion Precision Optics (formerly Barr Associates) has been a world leader for over 40+ years in providing optical components for space use. With our in-house coating, dicing, assembly and qualification areas Materion can offer solutions in the MW LW regions that are as durable, precise and high performing as those at lower wavelengths. This paper intends to summarize our current capabilities as well as provide details on continued enhancements.