Ultra-Narrow Bandpass Filters
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Materion offers bandpass filters with bandwidth at Full Width Half Maximum (FWHM) selectable from Wideband to Ultra-Narrowband, manufactured to customer requirements. Where the requirement is for bandpass filters with Ultra-Narrow Bandwidth, Materion can produce such filters for use in the ultraviolet, visible, and infrared spectral regions.

Applications:
- Plasma Spectroscopy
- Nuclear Fusion Plasma Diagnostics
- Atmospheric Plasma Diagnostics
- Solar and Stellar Astronomy
- Lidar, Raman Lidar, Differential Absorption Lidar (DIAL)
- ASE Suppression
- Deep-Space Optical Telecommunications

Available Features:
- Choice of Center Wavelength (CWL) in the UV, Visible, or IR spectral regions
- Choice of bandwidth
- User-specified wavelength range for blocking
- Deep Blocking Density (OD 6) within blocking wavelength range
- Low thermal coefficient which results in thermal spectral stability of CWL
- High in-band transmission with effective out-of-band rejection
- Durable environmental durability characteristics
- Image quality available

CWL: 1064.05nm, BW: 0.96nm (FWHM)