

Dual Bandpass Blue-NIR Filter M25.5



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SPECIFICATIONS

General

Dual Bandpass Mounted Imaging Filter **Type:**

DB475/850-25.5 **Model Number:**

Full Width-Half Max FWHM Range (nm):

45nm, 60nm ±5 nm

Physical & Mechanical Properties

27.5 **Outer Diameter (mm):**

1mm **Substrate Thickness (mm):**

Optical Properties

Blue-NIR **Color:**

40/20 **Surface Quality:**

≥90% **Transmission (%):**

460-490nm, 830-870nm **Transmission Wavelength (nm):**

Threading & Mounting

M25.5 x 0.50 **Filter Thread:**

5.2 **Mount Thickness (mm):**

Regulatory Compliance

[View](#) **Certificate of Conformance:**

PRODUCT DETAILS

- Block and Transmit Desired Key VIS and NIR Spectral Bands with One Filter
- Remove The Need for Dual Sensor Setups
- Anti-Reflection Coating for Durability and Performance
- Various Mounting Thread Options Available

Multi-Band Machine Vision Bandpass Filters feature both double or triple bandpass options in one filter, allowing for greater flexibility in system design. These filters are designed with up to ≥90% transmission in the visible (VIS) or near-infrared (NIR) spectra with various wavelength range combinations available. Additionally, these filters are AR coated for optimal transmission and feature a hard-coated, single-substrate design with superior surface quality to maximize optical performance. Multi-Band Machine Vision Bandpass Filters ensure accurate color reproduction by blocking unwanted wavelengths, eliminating the need for dual-sensor imaging. These filters are ideal for surveillance applications such as, security and intelligent traffic management, as well as normalized difference vegetation index (NDVI) imaging applications.

Note: Other filter threads are available upon request.