

## Dual Bandpass Blue-NIR Filter M30.5



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### Product Downloads

**Full Width-Half Max FWHM Range (nm):**  
45nm, 60nm ±5 nm

### General

Dual Bandpass Mounted Imaging Filter **Type:**

DB475/850-30.5 **Model Number:**

### Physical & Mechanical Properties

32.5 **Outer Diameter (mm):**

**Substrate Thickness (mm):**

1mm

## Optical Properties

**Color:**

Blue-NIR

**Surface Quality:**

40/20

**Transmission (%):**

≥90%

**Transmission Wavelength (nm):**

460-490nm, 830-870nm

## Threading & Mounting

**Filter Thread:**

M30.5 x 0.50

**Mount Thickness (mm):**

5.2

## Regulatory Compliance

**Certificate of Conformance:**

[View](#)

**Country of Origin:**

United States

**Imported By:**

Edmund Optics India Private Limited  
267, Greystone Building, Second Floor,  
6th Cross Rd, Binnamangala,  
Stage 1, Indiranagar, Bengaluru,  
Karnataka, India 560038  
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## 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.