

Dual Bandpass VIS-850nm NIR filter M30.5



Stock #74-576 NEW 2 In Stock

⊖ 1 ⊕ S\$190⁰⁰

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Volume Pricing

Qty 1+	S\$190.40 each
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Full Width-Half Max FWHM Range (nm):
250nm, 50nm ±20 nm VIS, ±10 nm NIR

General

Dual Bandpass Mounted Imaging Filter **Type:**

DB850-30.5 **Model Number:**

Physical & Mechanical Properties

32.5 **Outer Diameter (mm):**

Substrate Thickness (mm):

2mm

Optical Properties

Color:
VIS-850nm-NIR

Surface Quality:
40/20

Transmission (%):
≥90%

Transmission Wavelength (nm):
404-645nm, 835-875nm

Threading & Mounting

Filter Thread:
M30.5 x 0.50

Mount Thickness (mm):
5.2

Regulatory Compliance

Certificate of Conformance:
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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.