

## Dual Bandpass Green-NIR Filter M22.5



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### Product Downloads

**Full Width-Half Max FWHM Range (nm):**  
40nm, 50nm ±5 nm

### General

**Type:**  
Dual Bandpass Mounted Imaging Filter

**Model Number:**  
DB550/850-22.5

### Physical & Mechanical Properties

**Outer Diameter (mm):**

2mm **Substrate Thickness (mm):**

## Optical Properties

Green-NIR **Color:**

40/20 **Surface Quality:**

≥85% **Transmission (%):**

535-565nm, 830-870nm **Transmission Wavelength (nm):**

## Threading & Mounting

M22.5 x 0.50 **Filter Thread:**

5.2 **Mount Thickness (mm):**

## Regulatory Compliance

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

## Product Details

- Block and Transmit Desired Key MS 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 (MS) 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.