

## Dual Bandpass Red-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:**  
DB660/850-22.5

### Physical & Mechanical Properties

**Outer Diameter (mm):**

Substrate Thickness (mm):  
2mm

## Optical Properties

Color:  
Red-NIR

Surface Quality:  
40/20

Transmission (%):  
≥90%

Transmission Wavelength (nm):  
645-675nm, 830-870nm

## Threading & Mounting

Filter Thread:  
M22.5 x 0.50

Mount Thickness (mm):  
5.2

## Regulatory Compliance

Certificate of Conformance:  
[View](#)

## 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.