

Dual Bandpass VIS-850nm NIR filter M22.5



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SPECIFICATIONS

General

Type:

Dual Bandpass Mounted Imaging Filter

Model Number:

DB850-22.5

Full Width-Half Max FWHM Range (nm):

250nm, 50nm $\pm$ 20 nm VIS, $\pm$ 10 nm NIR

Physical & Mechanical Properties	
24	Outer Diameter (mm):
2mm	Substrate Thickness (mm):
Optical Properties	
MS-850nm-NIR	Color:
40/20	Surface Quality:
≥90%	Transmission (%):
404-645nm, 835-875nm	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 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.