

450nm CWL, 50mm Dia.,High Transmission Traditional Coated 20nm Bandpass Filter



High Transmission Traditional Coated Bandpass Filters

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1

+

₹38,925

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General

Bandpass Filter

Type:

Physical & Mechanical Properties

50.00 +0/-0.25

Diameter (mm):

45.0

Clear Aperture CA (mm):

5.90

Thickness (mm):

Construction:	
Mounted in Black Anodized Ring	
Optical Properties	
Center Wavelength CWL (nm):	450.00
Center Wavelength CWL Tolerance (nm):	+2/-2
Full Width-Half Max FWHM (nm):	20.00
Full Width-Half Max FWHM Tolerance (nm):	±4
Minimum Transmission (%):	75
Coating:	Traditional Coated
Blocking Wavelength Range (nm):	1x10 ⁻⁴ avg Xray to 800nm
Environmental & Durability Factors	
Operating Temperature (°C):	-50 to +70
Regulatory Compliance	
RoHS 2015:	Compliant
Certificate of Conformance:	View
REACH 241:	Compliant
Country of Origin:	United States
Imported By:	Edmund Optics India Private Limited

Product Details

- Passband Transmission up to 80%
- 441.6 to 1064nm Wavelength Options with 10, 20, and 40nm Bandwidths
- Ideal for Medical and Analytical Applications

High Transmission Traditional Coated Bandpass Filters are designed for situations where far-infrared blocking is not required, allowing for up to 80% transmission in the passband region and good blocking over the visible and NIR wavelength range. Featuring popular laser, mercury, biomedical, and analytical spectral lines, these filters cover a wide range of visible and NIR wavelengths. A hermetic seal and an anodized metal mount help maintain performance in high humidity environments and protect against chipping and scratching. High Transmission Traditional Coated Bandpass Filters are ideal for a range of scientific and medical applications such as spectral radiometry, medical diagnostics, chemical analysis, and Colorimetry. For applications requiring wider blocking ranges, [traditional coated bandpass filters](#) are available whereas applications requiring higher transmission above 90% are best served with [hard coated bandpass filters](#).