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500nm CWL, 12.5mm Dia., High Transmission Traditional Coated 40nm Bandpass Filter



High Transmission Traditional Coated Bandpass Filters

Stock **#71-631** **2 In Stock**

-

1

+

MRP ₹9,645

 Price inclusive of all taxes

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Volume Pricing	
Qty 1+	₹9,645 each
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General	
Bandpass Filter	Type:
Physical & Mechanical Properties	
12.50 +0/-0.25	Diameter (mm):
9.0	Clear Aperture CA (mm):
5.90	Thickness (mm):

Construction:	
Mounted in Black Anodized Ring	
Optical Properties	
Center Wavelength CWL (nm):	
500.00	
Center Wavelength CWL Tolerance (nm):	
+10/-0	
Full Width-Half Max FWHM (nm):	
40.00	
Full Width-Half Max FWHM Tolerance (nm):	
±8	
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 267, Greystone Building, Second Floor, 6th Cross Rd, Binnamangala, Stage 1, Indiranagar, Bengaluru, Karnataka, India 560038 Phone: +91- 80-6845 0000	

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](#).