

457.9nm CWL, 50mm Dia.,High Transmission Traditional Coated 10nm Bandpass Filter



High Transmission Traditional Coated Bandpass Filters

Stock **#71-618** 1 In Stock

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1

+

£437^{.75}

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SPECIFICATIONS

General

Type:

Bandpass Filter

Physical & Mechanical Properties

Diameter (mm):

50.00 +0/-0.25	
45.0	Clear Aperture CA (mm):
5.90	Thickness (mm):
Mounted in Black Anodized Ring	Construction:
Optical Properties	
457.90	Center Wavelength CWL (nm):
+2/-0	Center Wavelength CWL Tolerance (nm):
10.00	Full Width-Half Max FWHM (nm):
±2	Full Width-Half Max FWHM Tolerance (nm):
75	Minimum Transmission (%):
Traditional Coated	Coating:
1x10 ⁻⁴ avg Xray to 800nm	Blocking Wavelength Range (nm):
Environmental & Durability Factors	
-50 to +70	Operating Temperature (°C):
Regulatory Compliance	
Compliant	RoHS 2015:
View	Certificate of Conformance:
Compliant	REACH 241:

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](#).