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450nm CWL, 50mm Dia.,High Transmission Traditional Coated 40nm Bandpass Filter

High Transmission Traditional Coated Bandpass Filters

Stock **#71-615** **1 In Stock**

- 1 + **A$880**.00

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Volume Pricing	
Qty 1-10	**A$880.00** each
Qty 11-25	**A$748.00** each
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General

Type:

Bandpass Filter

Physical & Mechanical Properties

Diameter (mm):

50.00 +0/-0.25

Clear Aperture CA (mm):

45.0

Thickness (mm):

5.90

Construction:
Mounted in Black Anodized Ring

Optical Properties

Center Wavelength CWL (nm):
450.00

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

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**.

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