

550nm CWL, 50mm Dia.,High Transmission Traditional Coated 10nm Bandpass Filter



High Transmission Traditional Coated Bandpass Filters

Stock **#71-645** **1 In Stock**

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+

₹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):	550.00
Center Wavelength CWL Tolerance (nm):	+3/-1
Full Width-Half Max FWHM (nm):	10.00
Full Width-Half Max FWHM Tolerance (nm):	±2
Minimum Transmission (%):	80
Coating:	Traditional Coated
Blocking Wavelength Range (nm):	1x10 ⁻⁴ avg Xray to 1000nm
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](#).