

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 |                               |
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| 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 <sup>-4</sup> 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<br>267, Greystone Building, Second Floor,<br>6th Cross Rd, Binnamangala,<br>Stage 1, Indiranagar, Bengaluru,<br>Karnataka, India 560038<br>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](#).