

# 550nm CWL, 25mm Dia.,High Transmission Traditional Coated 40nm Bandpass Filter



High Transmission Traditional Coated Bandpass Filters

Stock **#71-650** **2 In Stock**

-

1

+

₹15,959

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| Qty 1+         | ₹15,959 each                  |
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General

Bandpass Filter

Type:

Physical & Mechanical Properties

25.00 +0/-0.25

Diameter (mm):

21.0

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):    | +10/-0                                |
| Full Width-Half Max FWHM (nm):           | 40.00                                 |
| Full Width-Half Max FWHM Tolerance (nm): | ±8                                    |
| Minimum Transmission (%):                | 80                                    |
| Coating:                                 | Traditional Coated                    |
| Blocking Wavelength Range (nm):          | 1x10 <sup>-4</sup> 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](#).