

TECHSPEC[®] 455nm CWL, 25mm Dia., Hard Coated OD 4.0 10nm Bandpass Filter



TECHSPEC Hard Coated OD 4.0 10nm Bandpass Filters

Stock **#65-141** 20+ In Stock

-

1

+

₹20,007

ADD TO CART

Volume Pricing	
Qty 1-5	₹20,007 each
Qty 6-25	₹15,726 each
Qty 26-49	₹14,636 each
Need More?	Request Quote

Product Downloads

SPECIFICATIONS

General

Bandpass Filter

Type:

Typical Applications:

Po-Pro 1, 7-Hydroxy-4-MethylCoumarin-3-Acetic Acid

Physical & Mechanical Properties

25.00 +0.0/-0.1Diameter (mm):

21.0Clear Aperture CA (mm):

±0.1Thickness Tolerance (mm):

Mounted in Black Anodized RingConstruction:

Adhesion per ML-PRF-13830B, Section C.4.5.12
Moderate abrasion per ML-PRF-13830B, Section C.4.5.11
Cleaning per ML-C-48497A Section 4.5.4.2Physical Durability:

3.5 ±0.5 typicalSubstrate Thickness (mm):

Optical Properties

0Angle of Incidence (°):

≥4.0Optical Density OD (Average):

455.00 ±2.0Center Wavelength CWL (nm):

10.00 ±2.0Full Width-Half Max FWHM (nm):

±2.0Full Width-Half Max FWHM Tolerance (nm):

Optical GlassSubstrate: □

≥85Minimum Transmission (%):

Hard CoatedCoating:

80-50Surface Quality:

200 - 1200Blocking Wavelength Range (nm):

Threading & Mounting

5.0 ±0.1Mount Thickness (mm):

Environmental & Durability Factors

Humidity per ML-STD-810H, Section 507.6
Temperature per ML-STD-810H, Section 501.7 and 502.7Environmental Durability:

Regulatory Compliance

CompliantRoHS 2015:

ViewCertificate of Conformance:

CompliantREACH 241:

PRODUCT DETAILS

- Ideal for Life Sciences or Chemical Analysis
- Available in UV, VIS, and IR Center Wavelengths
- Feature High Performance Hard Coatings
- Hard Coated OD 4.0 5nm, 25nm, and 50nm Bandpass Filters Also Available

TECHSPEC® Hard Coated OD 4.0 10nm Bandpass Filters are narrowband filters used extensively in applications including flame photometry, elemental or laser line separation, fluorescence, laser diode cleanup, or chemical detection or analysis. These optical filters offer steep slopes with deep blocking to achieve high performance in demanding applications. TECHSPEC Hard Coated OD 4.0 10nm Bandpass Filters feature durable hard coatings to minimize filter degradation while increasing transmission. The bandpass filters are available in UV, VIS, and IR center wavelengths.

Note: These filters are optimized for high spectral performance rather than high Laser Induced Damage Thresholds (LIDT). A typical LIDT for these filters is 1 J/cm² @ 532nm, 10ns. Please [contact us](#) if you require a filter with a higher LIDT value.

TECHNICAL INFORMATION



CUSTOM

Edmund Optics offers comprehensive custom manufacturing services for optical and imaging components tailored to your specific application requirements. Whether in the prototyping phase or preparing for full-scale production, we provide flexible solutions to meet your needs. Our experienced engineers are here to assist—from concept to completion.

Our capabilities include:

- Custom dimensions, materials, coatings, and more
- High-precision surface quality and flatness
- Tight tolerances and complex geometries
- Scalable production—from prototype to volume

Learn more about our [custom manufacturing capabilities](#) or submit an inquiry [here](#).

COMPATIBLE MOUNTS