

TECHSPEC[®] 620nm CWL, 12.5mm Dia., Hard Coated OD 4.0 10nm Bandpass Filter



TECHSPEC Hard Coated OD 4.0 10nm Bandpass Filters

Stock **#65-104** **20+ In Stock**

[Additional Bandwidths](#)

-

1

+

₹13,390

ADD TO CART

Volume Pricing	
Qty 1-5	₹13,390 each
Qty 6-25	₹10,510 each
Qty 26-49	₹9,887 each
Need More?	Request Quote

Product Downloads

General	
Type:	Bandpass Filter
Typical Applications:	DyLight 633, FluoSphere Crimson
Physical & Mechanical Properties	
Diameter (mm):	

12.50 +0.0/-0.1	
8.5	Clear Aperture CA (mm):
±0.1	Thickness Tolerance (mm):
	Construction:
Mounted in Black Anodized Ring	

	Physical Durability:
Adhesion per MIL-PRF-13830B, Section C.4.5.12	
Moderate abrasion per MIL-PRF-13830B, Section C.4.5.11	
Cleaning per ML-C-48497ASection 4.5.4.2	
	Substrate Thickness (mm):
3.5 ±0.5 typical	

Optical Properties

	Angle of Incidence (°):
0	
	Optical Density OD (Average):
≥4.0	
620.00 ±2.0	Center Wavelength CWL (nm):
10.00 ±2.0	Full Width-Half Max FWHM (nm):
	Full Width-Half Max FWHM Tolerance (nm):
±2.0	
Optical Glass	Substrate: ☐
≥85	Minimum Transmission (%):
	Coating:
Hard Coated	
80-50	Surface Quality:
200 - 1200	Blocking Wavelength Range (nm):

Threading & Mounting

	Mount Thickness (mm):
5.0 ±0.1	

Environmental & Durability Factors

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

Regulatory Compliance

	RoHS 2015:
Compliant	
	Certificate of Conformance:
View	
	Reach 247:
Compliant	
	Country of Origin:
United States	
	Imported By:
Edmund Optics India Private Limited	

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