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TECHSPEC® 1550nm CWL, 25mm Dia., Hard Coated OD 4.0 50nm Unmounted Bandpass Filter

TECHSPEC® Unmounted OD 4.0 Bandpass Filters

Stock **#15-171** CONTACT US

Additional Bandwidths

- 1 + **€360**.00

ADD TO CART

Volume Pricing	
Qty 1-5	**€360,00** each
Qty 6-25	**€288,00** each
Qty 26-49	**€270,00** each
Need More?	Request Quote

Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Type:
Bandpass Filter

Typical Applications:
LIDAR, Telecommunications

Physical & Mechanical Properties

Diameter (mm):
25.00 ±0.10

Clear Aperture CA (mm):
22.5

Thickness (mm):
3.30 ±0.20

Construction:
Unmounted

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 MIL-C-48497A Section 4.5.4.2

Bevel:
Protective as needed

Optical Properties

Angle of Incidence (°):
0

Optical Density OD (Average):
≥4.0

Center Wavelength CWL (nm):
1,550.00 ±5

Full Width-Half Max FWHM (nm):
50.00 ±5

Substrate:
Optical Glass

Minimum Transmission (%):
≥90 (Average over bandwidth)

Coating:
Hard Coated

Surface Quality:
80-50

Blocking Wavelength Range (nm):
200 - 1800

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

Product Details

- Center Wavelengths from 365 to 1550nm
- 10, 25, or 50nm Full-Width Half Maximum Options
- High Transmission and Deep Blocking
- Mounted OD 4.0 **5nm**, **10nm**, **25nm** and **50nm** Bandpass Filters Also Available

TECHSPEC® Unmounted OD 4.0 Bandpass Filters are available with a 10, 25, or 50nm full-width half maximum (FWHM). The narrowband 10nm bandpass filters are ideal for laser line separation, flame photometry, or chemical detection applications. The broadband 25 and 50nm filters are used in a variety of life science and machine vision applications, including preventing photobleaching of fluorophores and improving the signal to noise ratio of imaging systems. TECHSPEC Unmounted OD 4.0 Bandpass Filters are designed with center wavelengths from 365 to 1550nm, covering common laser lines and spectral lines, and provide OD 4.0 blocking outside of their passband. Standard diameter sizes of 12.5 and 25mm facilitate integration into benchtop optical systems or life science instrumentation.

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