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TECHSPEC®

515nm CWL, 50mm Diameter Bandpass Filter

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Bandpass



TECHSPEC Hard Coated OD 4.0 5nm Bandpass Filters

Stock #39-377 [CONTACT US](#) [Additional Bandwidths](#)

- 1 +

€1.050^{,00}

ADD TO CART

Volume Pricing

Qty 1-5	€1.050,00 each
Qty 6-25	€840,00 each
Qty 26-49	€787,50 each
Need More?	Request Quote

Prices shown are exclusive of VAT/local taxes

Product Downloads

- STEP:step
- Curve:pdf
- PDF Drawing:pdf
- IGES:igs
- eDrawing:eprt
- EO Spec Sheet
- [Download All](#)

General

Type: Bandpass Filter

Typical Applications: 2nd Harmonic Yb:YAG Laser

Physical & Mechanical Properties

Diameter (mm): 50.00 +0.0/-0.1

Clear Aperture CA (mm): 45

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 MIL-C-48497A Section 4.5.4.2

Optical Properties

Angle of Incidence (°): 0

Optical Density OD (Average): ≥4.0

Center Wavelength CWL (nm): 515.00 ±1.0

Full Width-Half Max FWHM (nm): 5.00 ±1.0

Substrate: Optical Glass

Minimum Transmission (%): >85

Coating: Hard Coated

Surface Quality: 80-50

Blocking Wavelength Range (nm): 200 - 1200

Threading & Mounting

Mount Thickness (mm): 5.0 ±0.1

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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**

Need different specs or modifications?

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](#).

Product Details

- Variety of UV, VIS, and NIR Laser Lines Available
- Deep Blocking and High Transmission
- Steep Transmission and Rejection Slopes
- Hard Coated OD 4.0 **10nm**, **25nm** and **50nm** Bandpass Filters Also Available

TECHSPEC® Hard Coated OD 4.0 5nm Bandpass Filters offer high transmission over a narrow spectral bandwidth at a variety of common laser lines. The narrow 5nm Full-Width Half Max (FWHM) is ideal for laser line clean-up applications, allowing for an improved signal-to-noise ratio compared to those achievable with wider band filters. TECHSPEC Hard Coated OD 4.0 5nm Bandpass Filters feature durable hard coatings to minimize filter degradation, while increasing transmission. These optical filters offer steep slopes with deep blocking to achieve high performance in demanding applications.

Note: These filters are not regularly tested for Laser Damage Threshold (LDT). A typical energy density limit is $>2 \text{ J/cm}^2$ @ 1064nm, 20ns. Please [contact us](#) if you require a filter with a specified LDT value.

Technical Information

All mounted TECHSPEC® Optical Filters have an arrow on the side of the mount that points to the filter-coated surface for quick reference. Filter oriented such that arrow points to filter coated surface S1. Anti-reflective (AR) coating is applied to S2.

Frequently Purchased Together



#34-504 - 473nm CWL, 50mm Dia.,
Hard Coated OD 4.0 10nm
Bandpass Filter
€679,00



#65-227 - 632nm CWL, 50mm Dia.,
Hard Coated OD 4.0 10nm
Bandpass Filter
€679,00



Banapass Filter
€679,00


















#65-227 - 632nm CWL, 50mm Dia.,
Hard Coated OD 4.0 10nm
Bandpass Filter
€679,00

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Compatible Mounts

	Title	Type	Compare	Stock Number	Price	Buy
	50.0mm Optic Dia., Optic Mount	Fixed		#64-567	€49,25 Request Quote	2 In Stock <input type="text" value="1"/>
	50.0mm Optic Dia., Optic Mount	Fixed		#64-568	€49,25 Request Quote	7 In Stock <input type="text" value="1"/>
	9.5 - 73.0mm Optic Dia., Three-Screw Adjustable Ring Mount	Fixed		#36-605	€83,00 Request Quote	20+ In Stock <input type="text" value="1"/>
	50.0/50.8mm Optic Dia., E-Series Kinematic Mount	Adjustable - Tip-Tilt		#15-867	€96,00 Request Quote	CONTACT US <input type="text" value="1"/>
	10.0 - 60.0mm Optic Height, Metric Bar-Type Optic Holder	Fixed		#55-530	€108,00 Request Quote	CONTACT US <input type="text" value="1"/>
	19.5 - 108.0mm Optic Dia., Three-Screw Adjustable Ring Mount	Fixed		#03-670	€114,00 Request Quote	20+ In Stock <input type="text" value="1"/>
	7.0 - 67.0 Optic Height, English Bar-Type Optic Holder	Fixed		#03-669	€116,00 Request Quote	20+ In Stock <input type="text" value="1"/>
	50.0/50.8mm Optic Dia., Optical Cell Assembly	Fixed		#36-465 CLEARANCE	€119,95 Request Quote	2 In Stock <input type="text" value="1"/>
	8.0 - 118.0 Optic Height, English Bar-Type Optic Holder	Fixed		#03-666	€120,00 Request Quote	20+ In Stock <input type="text" value="1"/>
	50.0/50.8mm Optic Dia., Kinematic Mount, 2-Screws	Adjustable - Tip-Tilt		#58-852	€135,00 Request Quote	20+ In Stock <input type="text" value="1"/>
	50.0/50.8mm Optic Dia., Kinematic Mount, 3-Screws	Adjustable - Tip-Tilt		#58-855	€157,00 Request Quote	20+ In Stock <input type="text" value="1"/>
	50.0/50.8mm Optic Dia., Stainless Steel Kinematic Mount, 2-Screws	Adjustable - Tip-Tilt		#26-816	€246,00 Request Quote	12 In Stock <input type="text" value="1"/>
	50.0/50.8mm Optic Dia.,	Adjustable - Tip-Tilt		#26-819	€268,00 Request	CONTACT US <input type="text" value="1"/>

	Title	Type	Compare	Stock Number	Price	Buy
MORE+	 Stainless Steel Kinematic Mount, 3-Screws				Quote	
MORE+	 50.0/50.8mm Optic Dia., Translating Mount					1 In Stock <input type="text" value="1"/> 
MORE+	 50.0/50.8mm Optic Dia., Kinematic Mirror Mount	Adjustable - Tip-Tilt		#55-005	€361,00 Request Quote	6 In Stock <input type="text" value="1"/> 
MORE+	 50.0/50.8mm Optic Dia., Kinematic Mirror Mount with Micrometer	Adjustable - Tip-Tilt		#56-326	€387,00 Request Quote	CONTACT US <input type="text" value="1"/> 
MORE+	 5.0 - 100.0mm Optic Dia., Self-Centering Jaw Clamp	Fixed		#16-078	€410,00 Request Quote	CONTACT US <input type="text" value="1"/> 
MORE+	 50.0/50.8mm Optic Dia., Precision Gimbal Mount	Adjustable - Gimbal		#55-000	€510,00 Request Quote	7 In Stock <input type="text" value="1"/> 
MORE+	 50.0/50.8mm Optic Dia., X-Y-Z Translating Optic Mount	Adjustable - Linear (XYZ)		#62-960	€605,00 Request Quote	20+ In Stock <input type="text" value="1"/> 
MORE+	 50.0/50.8mm Optic Dia., 5 Axes Optical Mount	Adjustable - Linear (XYZ) & Tip-Tilt		#13-778	€840,00 Request Quote	10 In Stock <input type="text" value="1"/> 

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Check out our full selection of mounts [here](#).

Resources

Media Type

- Application Note
- Video
- Published Article
- FAQ
- Glossary
- Trending in Optics

APPLICATION NOTE

The Importance of Optical Filter Orientation...

APPLICATION NOTE

Custom Bandpass Filter using Shortpass an...

VIDEO

Optical Filters Review

VIDEO

Optical Filter Coatings: Comparison of Traditional a...

PUBLISHED ARTICLE

Selecting Color Filter Glass for Life Science Applications

FAQ

What type of material should I look for in a filter?

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