

**TECHSPEC® 50mm Dia., Nd:YAG Hard Coated OD 4.0 10nm Bandpass Filter Kit (4 Filters)**



Stock #15-099 [CONTACT US](#)

⊖ 1 ⊕ £2,208<sup>00</sup>

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Volume Pricing	
Qty 1+	£2,208.00 each
Need More?	<a href="#">Request Quote</a>

ⓘ Prices shown are exclusive of VAT/local taxes

Product Downloads

**General**

**Filters Included :**  
Center Wavelengths: [266nm](#), [355nm](#), [532nm](#), [1064nm](#)

**Type:**  
Bandpass Filter

**Typical Applications:**  
Nd:YAG Laser Line Cleanup

**Number of Filters:**  
4

## Physical & Mechanical Properties

Diameter (mm):  
50.00

Physical Durability:  
Adhesion: MIL-C-48497A, 3.4.1.1  
Abrasion: MIL-C-48497A, 3.4.1.3  
Temperature: MIL-C-48497A, 3.4.2.1  
Cleaning: MIL-C-48497A, 3.4.2.2

## Optical Properties

Optical Density OD (Average):  
≥4.0

Full Width-Half Max FWHM (nm):  
10.00

Coating:  
Hard Coated

Wavelength:  
Nd:YAG

## Environmental & Durability Factors

Environmental Durability:  
Humidity: MIL-STD 810.F, Method 507.4

## Regulatory Compliance

Certificate of Conformance:  
[View](#)

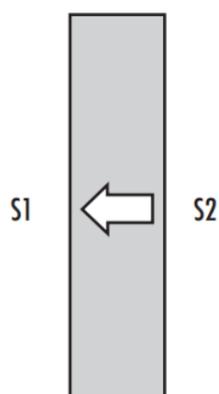
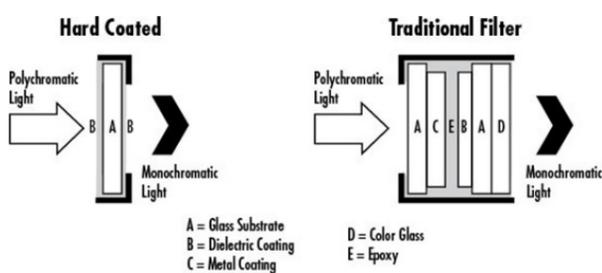
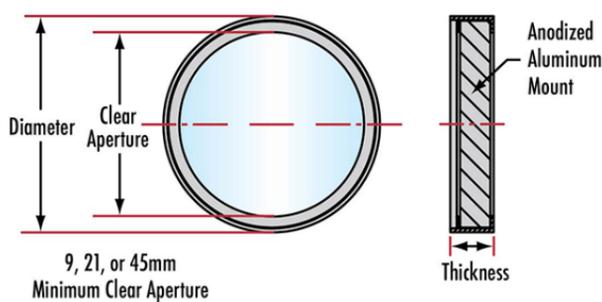
## Product Details

- 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.

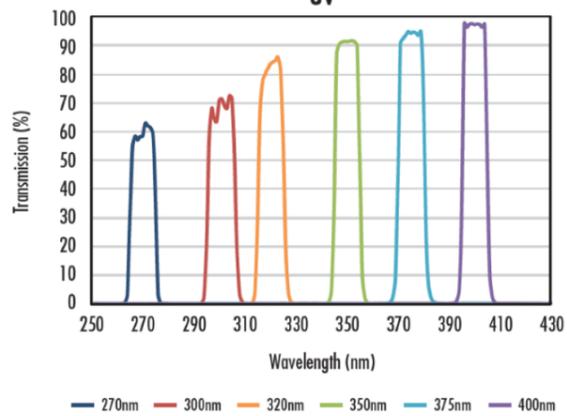
**Note:** These filters are optimized for high spectral performance rather than high Laser Induced Damage Thresholds (LIDT). Atypical LIDT for these filters is 1 J/cm<sup>2</sup> @ 532nm, 10ns. Please [contact us](#) if you require a filter with a higher LIDT value.

## Technical Information

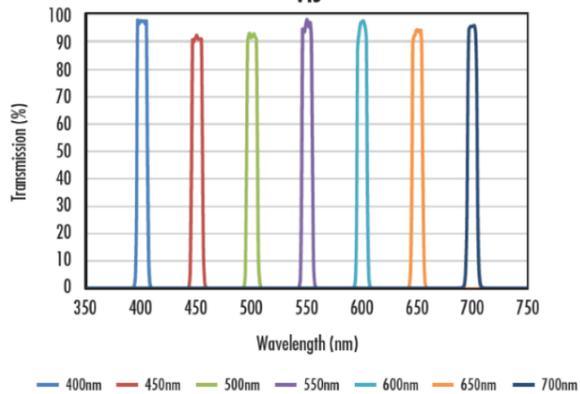


All mounted TECHSPEC® Optical Filters have an arrow on the side of the mount that points to the filter-coated surface for quick reference. Filter oriented such that arrow points to filter coated surface S1. Anti-reflective (AR) coating is applied to S2.

**TECHSPEC® Hard Coated OD 4.0 10nm Bandpass Filters**  
**UV**



**TECHSPEC® Hard Coated OD 4.0 10nm Bandpass Filters**  
**VIS**



**TECHSPEC® Hard Coated OD 4.0 10nm Bandpass Filters**  
**IR**

