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



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

- 1 + MRP ₹2,78,456

**i** Price inclusive of all taxes

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Volume Pricing	
Qty 1+	₹2,78,456 each
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**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**

50.00 **Diameter (mm):**

**Physical Durability:**  
Adhesion: ML-C-48497A, 3.4.1.1  
Abrasion: ML-C-48497A, 3.4.1.3  
Temperature: ML-C-48497A, 3.4.2.1  
Cleaning: ML-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: ML-STD 810.F, Method 507.4

## Regulatory Compliance

**Certificate of Conformance:**  
[View](#)

**Country of Origin:**  
United States

**Imported By:**  
Edmund Optics India Private Limited  
267, Greystone Building, Second Floor,  
6th Cross Rd, Binnamangala,  
Stage 1, Indiranagar, Bengaluru,  
Karnataka, India 560038  
Phone: +91-80-6845 0000

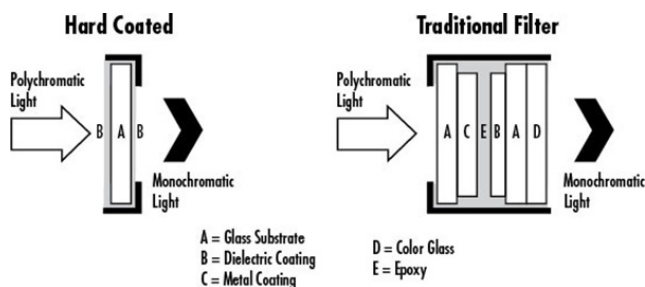
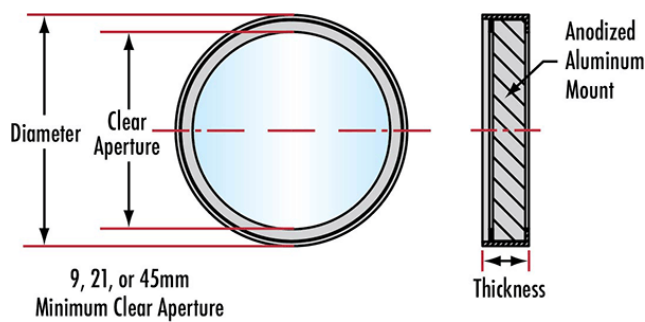
## Product Details

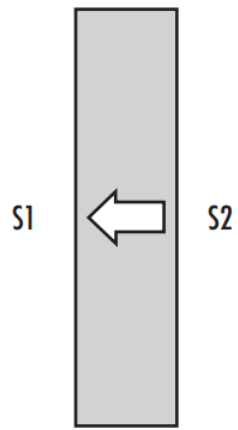
- Ideal for Life Sciences or Chemical Analysis
- Available in UV, VIS, and IR Center Wavelengths
- Feature High Performance Hard Coatings
- Hard Coated OD 4.0 **5nm**, **25nm**, and **50nm** Bandpass Filters Also Available

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.

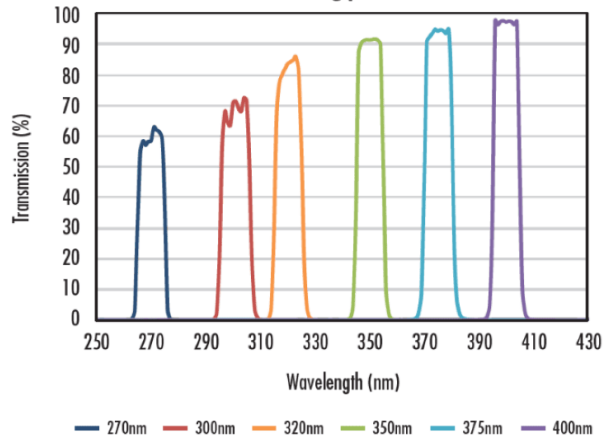
## Technical Information



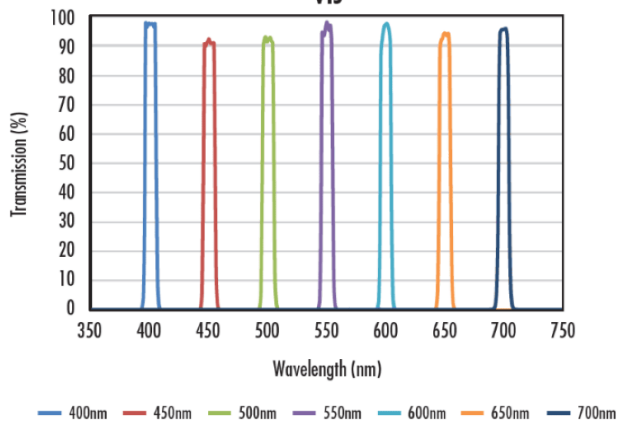


All mounted TECHSPEC® Optical Filters have an arrow on the side of the mount that points to the filter-coated surface for quick reference. Filter oriented such that arrow points to filter coated surface S1. Anti-reflective (AR) coating is applied to S2.

**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**

