

# Custom Filter Specification Form



## Customer Information

Contact Name: \_\_\_\_\_  
 Telephone: \_\_\_\_\_

Company: \_\_\_\_\_  
 Email: \_\_\_\_\_

### Primary Requirements

#### Optical Spectrum

Wavelength Ranges (nm) and Values (% or OD) (Avg) specifications assumed if not specified	Transmission (%)	
	Blocking (OD)	
	Reflection (%)	
Angle of Incidence and Tolerance		
Cone Half Angle and Tolerance		
Polarization Requirements?		
AR Coating? Required for T(avg) > 93% R(avg) < 2% guaranteed by design only		<input type="checkbox"/> Yes <input type="checkbox"/> No If Yes, specify wavelength range and maximum transmission of AR Coating

#### Mechanical Specifications

Transverse Dimensions (mm)		Housing Thickness (mm)	<input type="checkbox"/> 3.5 <input type="checkbox"/> 5.0 <input type="checkbox"/> Custom-Specify
Filter Housing Required?	<input type="checkbox"/> No <input type="checkbox"/> Yes (Round only)	Housing Diameter (mm)	<input type="checkbox"/> 12.5 <input type="checkbox"/> 25.0 <input type="checkbox"/> 50.0 <input type="checkbox"/> Custom

### Additional Requirements

Physical Properties	Semrock Standard	Customer Request
Clear Aperture	≥ 80 %, elliptical	
Flatness (PV or RMS waves per inch @ 633 nm)	No Specification	<input type="checkbox"/> PV <input type="checkbox"/> RMS
Wedge	≤ 20 arc seconds	
Bevel	≤ 0.3 mm at 45° as necessary	
Edge Chipping	≤ 0.5 mm	
Corner Chamfers	None	
Substrate Material	nBK7, Borofloat, or Fused Silica	
Uncoated Glass Thickness (mm)	1.05 (Dichroics) 2.0 (All Other)	
Transmitted Wavefront Error	≤ 1 wave PV per inch @ 633 nm (≤ ¼ wave RMS per inch @ 633 nm)	<input type="checkbox"/> PV <input type="checkbox"/> RMS
Scratch / Dig	60/40	
Pinholes	No Specification	

#### Other

Reliability / Durability	
QA / QC Requirements	
Packaging / Labeling	

#### Volume and Pricing

Quantity for Prototyping		Target Unit Pricing for Prototyping	
Quantity for Production		Target Unit Pricing for Production	

#### Delivery Time (weeks after receipt of order)

Target Delivery for Prototyping	
Target Delivery for Production	

#### Special Requirements

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Semrock, Inc. 3625 Buffalo Road Rochester, NY 14624 <a href="http://www.semrock.com">www.semrock.com</a>	For Semrock Internal Use Only: Custom P/N: _____ Rev _____ Sales Person: _____ AE: _____	Phone: 1-866-SEMROCK Fax: (585) 594-3898 E-mail: <a href="mailto:semrock@idexcorp.com">semrock@idexcorp.com</a>
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