

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 www.semrock.com	For Semrock Internal Use Only: Custom P/N: _____ Rev _____ Sales Person: _____ AE: _____	Phone: 1-866-SEMROCK Fax: (585) 594-3898 E-mail: semrock@idexcorp.com
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