

Filter Requirements Worksheet



Customer Information

Contact Name: _____ Company: _____
 Telephone: _____ E-mail: _____

Primary Requirements

Optical Spectrum			
Wavelength Ranges (nm) and Values (Avg or Abs)	Transmission (%)		
	Blocking (OD)		
	Reflection (%)		
Angle of Incidence, Angle of Incidence Range, and Cone Half Angle			
Polarization Requirements			
Physical			
Filter Shape	<input type="checkbox"/> Round <input type="checkbox"/> Rectangular <input type="checkbox"/> Housed	Edge Blackening	<input type="checkbox"/> No <input type="checkbox"/> Yes
Transverse Dimensions			
Filter Thickness			
Filter Housing Required?	<input type="checkbox"/> No <input type="checkbox"/> Yes (Round only)	Housing Thickness/Details:	
Volume and Pricing			
Quantity for Prototyping		Target Pricing for Prototyping	
Quantity for Production		Target Pricing for Production	

Additional Requirements

Physical Properties	Default Value	Customer Request
Substrate Material	Fused Silica, N-BK7, or Borofloat	
Clear Aperture	Elliptical ≥ 80% (Rectangular), 85% (Round)	
Flatness / Reflected Wavefront Error	Specify PV/RMS and Angle	
Transmitted Wavefront Error	≤ 1 wave/inch PV at 632.8 nm	
Parallelism / Wedge	≤ 20 arc sec	
Edge Bevel	≤ 0.5 mm at 45° (round parts)	
Edge Chipping	≤ 0.5 mm	
Scratch-Dig (ANSI or ISO)	ANSI 60-40	
Other		
Application / Misc		
Reliability / Durability		
QA / QC Requirements		
Packaging / Labeling		
Delivery Time (weeks After Receipt of Order)		
Target Delivery for Prototyping		
Target Delivery for Production		