



Optical Components:
Filters

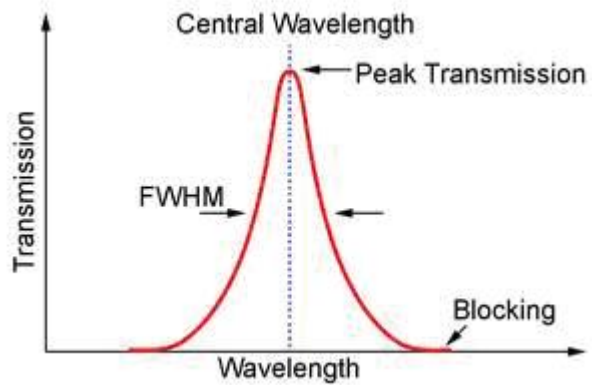
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Interference Filters

Specifications:

- Material: BK7 or Fused Silica
- Diameter: 25.4mm ± 0.2mm
- Thickness: 3.0mm ± 0.2mm
- Clear Aperture: > 90%
- FWHM: ± 10nm
- Peak Transmission: > 35%
- Block: 0.01% (± 20nm from the peak)

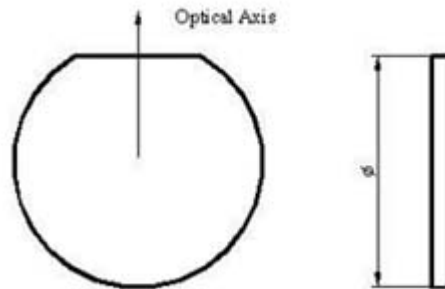


Standard Wavelength (nm): 355, 405, 488, 514, 532, 633, 780, 850, 1064

Birefringent Filters

Specifications:

- Material: Quartz Crystal
- Diameter Tolerance: +0/-0.2mm
- Clear Aperture: > 90%
- Parallelism: < 3 arc seconds
- Thickness: T = 0.5mm
- Thickness Tolerance: ± 0.05mm
- Surface Quality: 20-10 scratches and digs
- Flatness: $\lambda/4$ @ 633nm



Diameter	Part Number
12.7mm	BFQ5112
15.0mm	BFQ5115
20.0mm	BFQ5120
25.4mm	BFQ5125

Colored Glass Filters

Specifications:

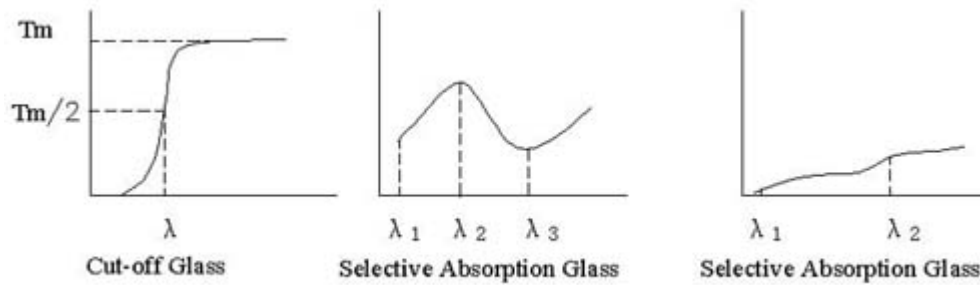
Diameter: 2mm - 350mm

Clear Aperture: > 90%

Thickness Tolerance: ± 0.2 mm

Surface Quality: 60-20 scratches and digs

Flatness: $\lambda/2$ per inch



Cut-Off Glass		Selective Absorption Glass		Neutral Filter Glass	
Name	Wavelength (nm)	Name	Wavelength (nm)	Name	Absorption
Ultraviolet Glass	220-380	Ultraviolet Glass	300-360	Grey Colored Glass	T = 1% - 70%
Golden Glass	450-510	Violet Glass	360-400		
Orange Glass	535-580	Blue Glass	420-600		
Red Glass	600-720	Green Glass	510-580		
Infrared Glass	760-930	Golden Glass	560-900		
		Orange Glass	580-900		
		Red Glass	610-1200		
		Infrared Glass	800-1500		
		Heat-Absorbing Glass	400-700		
		Sky-Light Glass	400-2000		