

IR Filter

IR Narrow Bandpass Filter

Substrate Material: Sapphire

Diameter or Width (mm): $\phi 20 \times 1.0, \phi 10 \times 1.0, \phi 10 \times 0.5$

Thickness (mm): 0.5 ± 0.05

Spectrum

Center Wavelength (microns) = 4.26 ± 0.02

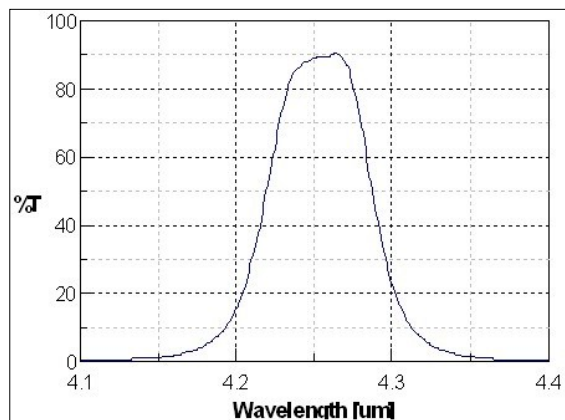
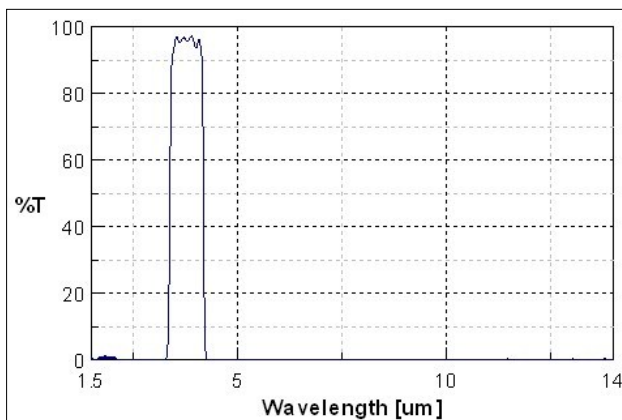
T_{peak} $\geq 80\%$

Nominal FWHM (microns) = 0.08 ± 0.02

Out of band blocking (from UV to detector limit standard): T_{max} $< 1\%$ T_{avg} $< 0.1\%$

Available size of substrate:			
Substrate Material	Substrate Size(mm)	Substrate Material	Substrate Size(mm)
Ge	$\phi 24 \times 2.5$	Si	$\phi 101.6 \times 0.5$
	$\phi 16 \times 1.0$		$\phi 100 \times 0.5$
Gemstone	$\phi 20 \times 1.0$		$\phi 50.8 \times 1.0$
	$\phi 10 \times 1.0$		$\phi 25.4 \times 0.5$
	$\phi 10 \times 0.5$		$\phi 25 \times 0.5$
Bk7	$\phi 30 \times 1.0$		$\phi 20 \times 1.0$
	$\phi 16 \times 1.0$		$\phi 16 \times 1.0$
	$\phi 16 \times 0.5$		$\phi 10 \times 1.0$
Fused Silica	$\phi 10 \times 1.0$	ZnS	$\phi 28 \times 1.4$

Performance





Optics Leading the Light

RONAR-SMITH® Laser Optics & IR Imaging



Introduction

RONAR-SMITH® Laser Optics

Optics for Medical Laser System

Optics for Semiconductor Spectroscopy Biomedical Application Laser

Optical Material

Laser Accessories Components

IR Wide Bandpass Filter(3.8µm)

Substrate Material: Sapphire

Diameter or Width (mm): φ20x1.0,φ10x1.0,φ10x0.5

Thickness (mm): 0.5±0.05

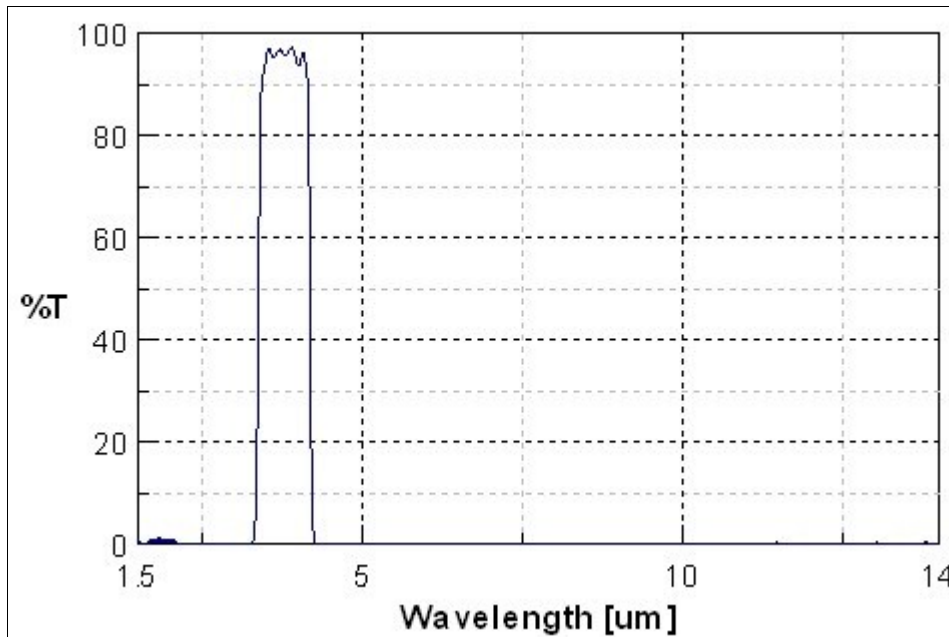
Spectrum

Center Wavelength = 3.8±2%µm

3.45~4.15 µm: Tavg≥90%

Half Power Points = 3.4±2%µm and 4.2±2%µm

Performance



IR Long Pass Filter(7.2µm)

Substrate Material: Germanium

Diameter or Width (mm): φ24x2.5, φ16x1.0

Thickness (mm): 2 ±0.2

Spectrum

7.5~11 µm: Tavg>90%, Tmin>80%

1.5~7.2µm: Tmax<3%

Performance

