

# Bandpass Filters

## Product Information

Coated filters as line, band and broad-band filters within the spectral range from 200 nm to 1100 nm produced with high vacuum electron beam evaporation coating technology.

## Applications

Bandpass filters provide versatile solutions for longpass, shortpass and edge filters in general:

- Raman spectroscopy
- Fluorescence excitation and emission in bio-photonic, medical analytical, chemical, forensic and pharmaceutical applications
- And many more...

## Advantages

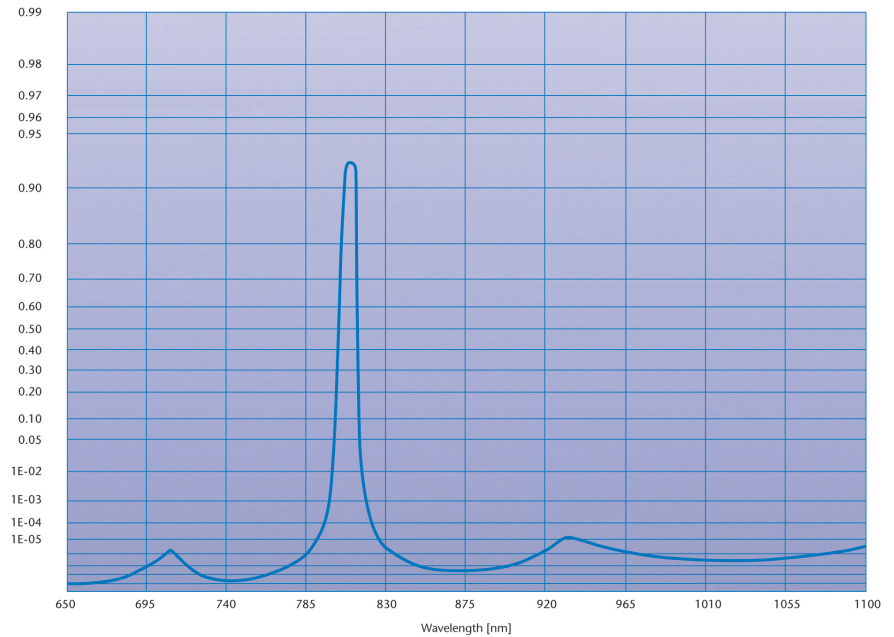
- High signal to noise ratios
- High discrimination between close spaces fluorophores
- High stability and durability

## Quality Assurance

Quality control is based on statistical process control as well as on rigorous final inspection. Measurement instruments include a broad range of spectrophotometers, vision systems, beam deflection, etc.

## Application Support

Please contact us with your filter specifications. Our experienced application team is trained to find the right solution for your application.



## Specifications

	UV	VIS	NIR
Center Wavelength $\lambda_m$	200–399 nm	400–799 nm	800–1100 nm
Standard $\lambda_m$ -Tolerance (% of $\lambda_m$ )	$\pm 0.5$	$\pm 1.0$	$\pm 1.0$
Half Width	$\geq 6 \text{ nm}^*$	$\geq 6 \text{ nm}^*$	$\geq 8 \text{ nm}^*$
Average Transmission		Up to 90 %	
Average Blocking		$> \text{OD}5^*$	
Diameter		Up to 200 mm diameter	
Humidity Resistance		MIL-Std-810C	
Notes		All specs per custom request	

\*smaller values on request



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