

# VERIL

## Product Information

VERIL – a linear variable bandpass filter where the center wavelength of the filter shifts linearly across the length of the filter. When used with a slit, the bandwidth of the filter can be verified.

## Applications

VERIL filters provide a versatile solution:

- Analytical Instrumentation
- Spectroscopy
- Fluorescence excitation in genetic analysis
- Forensic science
- Immunology
- Pharmaceutical analysis
- And many more...

## Advantages

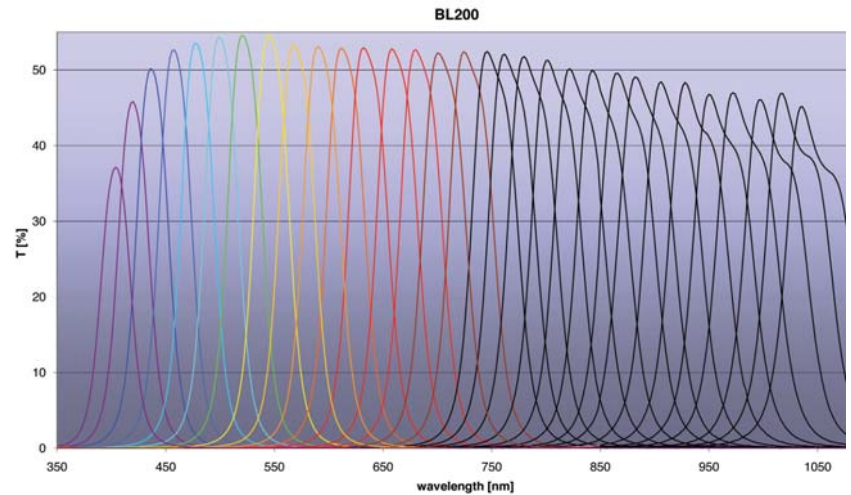
- Eliminates the need for multiple filters
- High signal to noise ratio

## 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. Individual calibration curve and calibration table are provided with each VERIL filter.

## Application Support

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



## Specifications

	VERIL S 60	VERIL S 200 (upon request)	VERIL BL 200
Spectral Range	400 - 700 nm	400 - 700 nm	400 - 1000 nm
Useable Length	38 - 50 mm	112 - 135 mm	132 - 165 mm
Filter Dispersion (nm/mm)	6.0 - 7.9	2.2 - 2.7	3.6 - 4.5
Peak In-Band Transmission	≥ 35% (450 nm)	≥ 35% (450 nm)	≥ 40% (500 nm)
	≥ 45% (550 nm)	≥ 45% (550 nm)	≥ 40% (700nm)
	≥ 40% (650 nm)	≥ 40% (650 nm)	≥ 30% (900 nm)
Blocking Range	2 x center wavelength	2 x center wavelength	unlimited
Out-of-Band Blocking	≤ 0.01%		
Length (mm)	60 + 0/0.3	200 + 0/0.3	200 + 0/0.3
Width (mm)	25 + 0/0.3		
Thickness	≤ 5 nm	≤ 6 nm	≤ 6 nm
Humidity Resistance	MIL-Std-810C		
Notes	On request: - Unlimited blocking range by additional blocking filter - Fit filter with mirror side facing light source		

For more information please contact:

Advanced Optics  
**SCHOTT AG**  
 Hattenbergstrasse 10  
 55122 Mainz  
 Germany

Phone: +49 (0) 6131/66-1812  
 Fax: +49 (0) 3641/2888-9047  
 E-mail: info.optics@schott.com  
 www.schott.com/advanced\_optics

**SCHOTT**  
 glass made of ideas