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 band-width 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

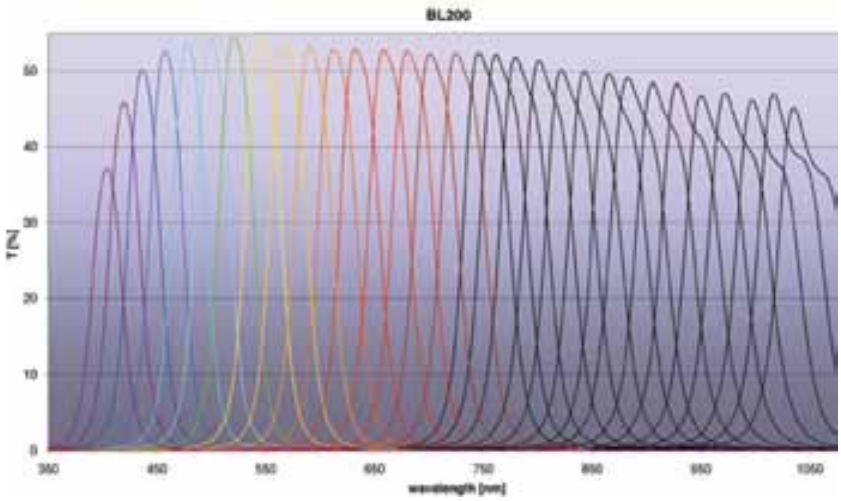
- Eliminates the need for multiple filters
- High signal to noise ratio

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 - 7.92.2 - 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% (700 nm)
	≥ 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		

10349 ENGLISH 05110.25 kn/ben Printed in Germany | Version May 2011

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
info.optics@schott.com
www.schott.com/advanced_optics

SCHOTT
glass made of ideas