

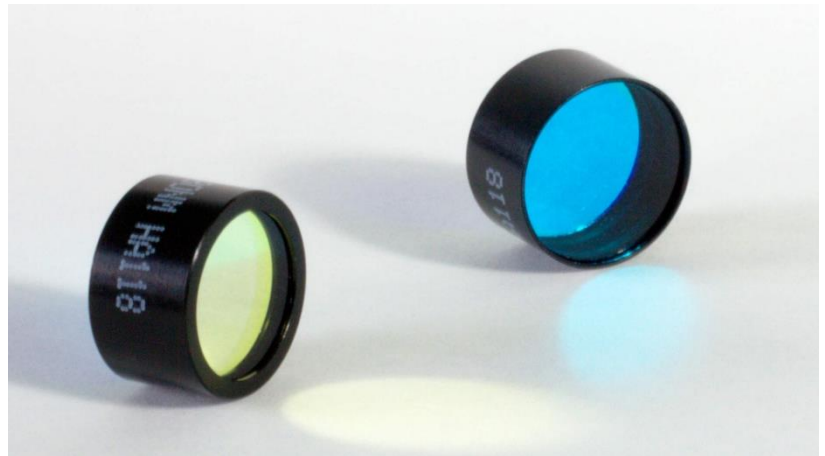
Biomedical Bandpass Filters

Applications

- Absorption Spectrometry
- Instruments of clinical chemistry

Properties

- Use of hard, dielectric oxide layers
- Wavelengths from 340 to 880 nm
- Excellent blocking outside bandpass
- Excellent temperature resistance
- Outstanding service life, even under demanding climatic conditions
- Special sizes on request



Biomedical Bandpass Filters

Specifications

Standard sizes:	6x6 mm, edges lacquered or unlacquered Ø 10 mm
Clear aperture:	≥90% for 6x6 mm ≥6.0 mm for Ø10 mm
Size tolerance:	+0.0 mm, -0.2 mm
Thickness:	≤6.0 mm for 6x6 mm ≤8.0 mm for Ø10 mm
Surface quality:	80/50; F/F acc. to MIL-F-48616
Temperature:	-50°C to +100°C
Humidity:	Acc. to MIL-STD-810E, Method 507.3, Procedure III, modified to 10 cycles
Blocking range:	≤0.001% outside bandpass, UV-1300 nm, and ≤0.1% from 1300 to 1350 nm

Available Wavelengths

Wavelength [nm]	Bandwidth [nm]	% T _{pk}
340 ±2	10 ±2	50%
380 ±2	10 ±2	50%
405 ±2	8 ±1	70%
450 ±2	8 ±1	70%
480 ±2	8 ±1	70%
492 ±2	8 ±1	70%
505 ±2	8 ±1	70%
510 ±2	8 ±1	70%
520 ±2	8 ±1	70%
546 ±2	8 ±1	70%
578 ±2	8 ±1	70%
589 ±2	8 ±1	70%
610 ±2	8 ±1	70%
620 ±2	8 ±1	70%
630 ±2	8 ±1	70%
670 ±2	8 ±1	70%
700 ±2	8 ±1	70%
766 ±2	8 ±1	70%
800 ±2	8 ±1	70%
880 ±2	8 ±1	70%

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