Bandpass (interference) filters

4Lasers bandpass (interference) filters selectively transmit specific spectral components, while eliminating the ones out of band. They are designed to be used with collimated light and at normal angle of incidence.

Each of these filters is mounted in a black anodized aluminum mount with a propagation direction mark on it. Customization of central wavelength, peak transmission and bandwidth is available upon request.

Main features

- Out of band transmission <0,01%
- Central wavelength selection from 355 nm to 1064 nm
- Standard mount size is ø25,4 x 6,3 mm

Application examples

- Fluorescence microscopy
- Spectroscopy
- Imaging

Standard specifications

BANDPASS (INTERFERENCE) FILTERS	
Center wavelength tolerance	±2 nm
Out of band transmission	<0,01%
Bandwidth tolerance	±2 nm
Clear aperture	>80%
Surface quality	80-50 S-D
Mount	ø25,4 x 6,3 mm black anodized aluminum mount

Standard products

CENTER WAVELENGTH	PEAK TRANSMISSION	BANDWIDTH (FWHM)	BLOCKING RANGE	TYPICAL APPLICATION	SKU	PRICE
355 nm	>25%	10 nm	200-3000 nm	Nd:YAG laser line	6465	Request
460 nm	>65%	10 nm	200-1150 nm	Argon laser line	6466	Request
488 nm	>65%	10 nm	200-1150 nm	Argon laser line	6467	Request
514,5 nm	>65%	10 nm	200-1150 nm	Argon laser line	6468	Request
532 nm	>70%	10 nm	200-1150 nm	Nd:YAG laser line	6469	Request
543,5 nm	>70%	10 nm	200-1150 nm	HeNe laser line	6470	Request
600 nm	>50%	10 nm	200-1200 nm	General	6471	Request
635 nm	>70%	10 nm	200-1150 nm	Diode	6472	Request
647,1 nm	>70%	10 nm	200-1150 nm	Krypton laser line	6473	Request
694 nm	>70%	10 nm	200-1150 nm	Ruby laser line	6474	Request
730 nm	>70%	10 nm	200-1150 nm	Diode	6475	Request
780 nm	>70%	10 nm	200-1150 nm	Diode	6476	Request
800 nm	>50%	10 nm	200-1200 nm	General	6477	Request
810 nm	>50%	10 nm	200-1200 nm	General	6478	Request
850 nm	>70%	10 nm	200-1150 nm	Diode	6479	Request
905 nm	>70%	10 nm	200-1150 nm	Diode	6480	Request
940 nm	>50%	10 nm	200-1200 nm	General	6481	Request
980 nm	>50%	10 nm	200-1200 nm	General	6482	Request
1064 nm	>70%	10 nm	200-1150 nm	Nd:YAG laser line	6483	Request