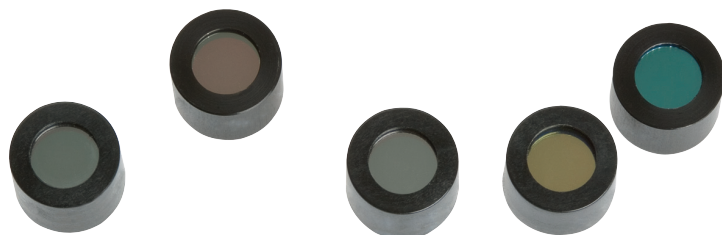


Standard Biomedical Bandpass Filters



- **Two versions available - Scribed/Laminated (SFB Series) & Stabilife® (SSBF Series)**
- **Seventeen standard center wavelengths available from 340nm to 766nm**
- **Superior in-band transmission and out-of-band blocking**
- **Excellent field life in demanding climatic conditions**
- **Custom sizes of SSBF filters available upon request**

Newport's Standard Biomedical Bandpass Filters (SBF) are offered at all of the wavelengths commonly utilized for absorption spectrometry based, clinical chemistry instrumentation. These filters provide excellent signal-to-noise ratio with a nominal 8nm bandwidth. Two versions of Standard Biomedical Filters are available. Our original SBFs are constructed using a scribed and laminated construction. Since their introduction in the early 1990's, these filters have been providing superior optical performance and field life in clinical instrumentation installed in widely varied environmental conditions, world wide. New in 2006, we now offer Standard Biomedical Filters that are fabricated using our patented Stabilife® coating technology. Stabilife® Standard Biomedical Bandpass Filters (SSBF) provide the same excellent spectral performance as our original SBFs with the added physical durability that is characteristic of Stabilife® products. Both SBF and SSBF products are offered in an industry standard 10mm diameter. Custom shapes and sizes of Stabilife® SBF filters are available upon request.

Specifications

Size	10 mm dia
Minimum Active Area	6 mm dia
Size Tolerance	+0.0 mm, -0.2 mm
Thickness	≤8 mm
Surface Quality	80/50; F/F per MIL-F-48616
Operating Temperature Range	-50°C to +100°C
Humidity Resistance (SBF series)	Per MIL-STD-810E, Method 507.3, Procedure III, modified to 5 cycles
Humidity Resistance (SSBF series)	Per MIL-STD-810E, Method 507.3, Procedure III, modified to 10 cycles
Specification Temperature	23°C
Blocking	X-ray - 1100nm, T≤0.01% or 10 ⁻⁴

Ordering Information - SBF Series

Model	Wavelength (nm)	Bandwidth (FWHM) (nm)	%Tpk
DFS-001844	340±2	10±2	≥50%
DFS-001845	405±2	8±1	≥30%
DFS-001830	450±2	8±1	≥30%
DFS-001886	480±2	8±1	≥50%
DFS-001831	492±2	8±1	≥50%
DFS-001846	505±2	8±1	≥50%
DFS-001852	510±2	8±1	≥50%
DFS-001887	520±2	8±1	≥50%
DFS-001847	546±2	8±1	≥50%
DFS-001853	578±2	8±1	≥50%
DFS-001858	589±2	8±1	≥50%
DFS-001901	610±2	8±1	≥50%
DFS-001902	620±2	8±1	≥50%
DFS-001848	630±2	8±1	≥50%
DFS-001854	670±2	8±1	≥50%
DFS-001890	700±2	8±1	≥50%
DFS-001859	766±2	8±1	≥50%

Ordering Information - Stabilife® SSBF Series

Model	Wavelength (nm)	Bandwidth (FWHM) (nm)	%Tpk
CFS-004000	340±2	10±2	≥50%
CFS-004001	380±2	10±2	≥30%
CFS-004002	405±2	8±1	≥40%
CFS-004003	450±2	8±1	≥40%
CFS-004004	480±2	8±1	≥50%
CFS-004005	492±2	8±1	≥50%
CFS-004006	505±2	8±1	≥50%
CFS-004007	510±2	8±1	≥50%
CFS-004008	520±2	8±1	≥50%
CFS-004009	546±2	8±1	≥50%
CFS-004010	578±2	8±1	≥50%
CFS-004011	589±2	8±1	≥50%
CFS-004012	610±2	8±1	≥50%
CFS-004013	620±2	8±1	≥50%
CFS-004014	630±2	8±1	≥50%
CFS-004015	670±2	8±1	≥50%
CFS-004016	700±2	8±1	≥50%
CFS-004017	766±2	8±1	≥50%

SBF and SSBF products are supplied in volume as OEM components to clinical chemistry instrument manufacturers worldwide.



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Printed in the USA

DS-11062 (4/07)