

Band Pass Filter - 2003nm, 16nm

Features

Low Insertion Loss
Wide Stop Band
High Isolation
High Stability and Reliability

Applications

Medical Cosmetology
Laser Surgery
Laser Engraving
Gas Sensing



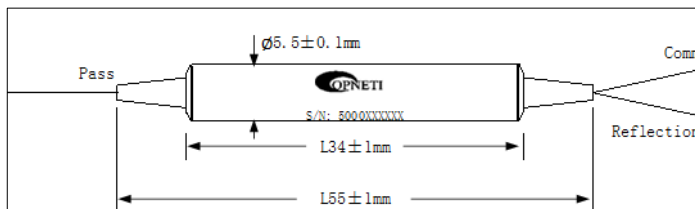
Specifications

Parameters	Unit	Values
Operation Wavelength Range	nm	1950~2050
Center Wavelength	nm	2003±1
Passband Width (at 1dB)	nm	16
1dB Pass Wavelength Range	nm	1995~2011
3dB Pass Wavelength Range	nm	1993~2015
Pass Wavelength Range tolerance	nm	16±0.5
Reflection Band Wavelength Range	nm	1950~1990 and 2019~2050
Pass Insertion Loss (IL)	dB	≤1.3
Relection Band Insertion Loss (IL)	dB	≤1.3
Passband Isolation	dB	≥15
Relection Band Isolation	dB	≥9
Extinction Ratio (for PMF) (PER)	dB	≥20
PDL	dB	≤0.15
Return Loss (SMF/MMF) (RL)	dB	≥50/30
Max Power Handling (CW)	mW	500
Fiber Type		MMF50/125, SMF-28e, SM1950, PM1950
Operating Temperature	°C	-0 ~ +70
Storage Temperature	°C	-40 ~ +85
Dimensions	mm	φ5.5×L34

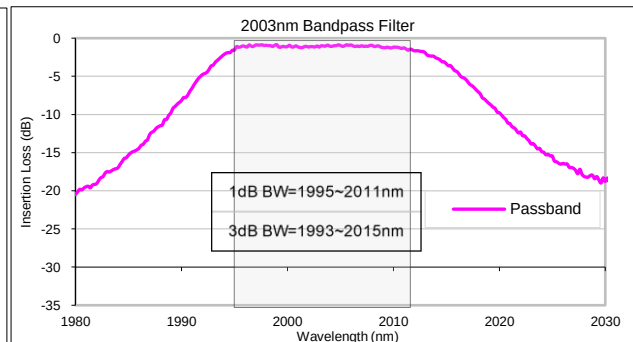
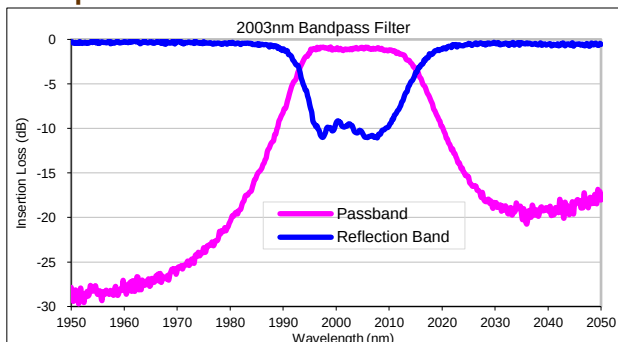
* For devices with connectors, IL+0.3dB, RL-5dB, PER -2dB

* Power handling can be higher on request.

Package Dimensions



Typical Spectrum



Ordering Information**BPF-** ①①①-②②②②-③③-④④④-⑤⑤-⑥-⑦⑦

①	Port Type	1x1; 1x2;
②	Pass Wavelength	2003;
③	Pass Band Width	16=16nm;
④	Pigtail Type	250=250μm Fiber; 900=900μm Loose Tube;
⑤	Fiber Type	O2=MMF50/125; 1=SMF-28e; S9=SM1950; P9=PM1950;
⑥	Length	1=1m;
⑦	Connector	NE=None; FA=FC/APC; FC=FC/UPC; SA=SC/APC; SC=SC/UPC; LC=LC/UPC; XX=Others;