

Band Pass Filter - 2120nm, 435nm

Features

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

Applications

- Medical Cosmetology
- Laser Surgery
- Laser Engraving
- Gas Sensing



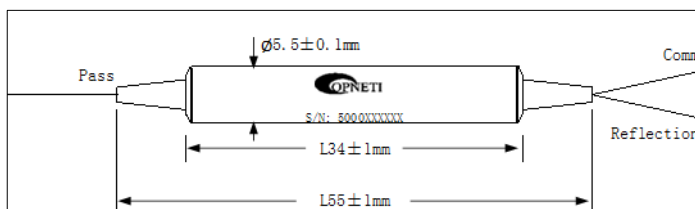
Specifications

Parameters	Unit	Values
Operation Wavelength Range	nm	1500~3000
Center Wavelength	nm	2120
Passband Width (at 1dB)	nm	435
1dB Pass Wavelength Range	nm	1902.00~2337.00
3dB Pass Wavelength Range	nm	1885.00~2349.00
Pass Wavelength Range tolerance	nm	435±5
Reflection Band Wavelength Range	nm	1550~1835 and 2412~3000
Pass Insertion Loss (IL)	dB	≤1.3
Relection Band Insertion Loss (IL)	dB	≤1.0
Passband Isolation	dB	≥25
Relection Band Isolation	dB	≥20
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

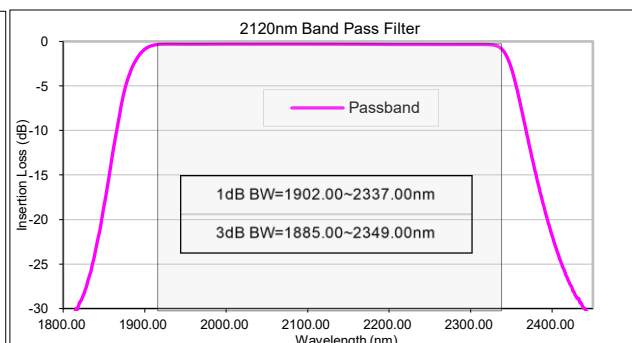
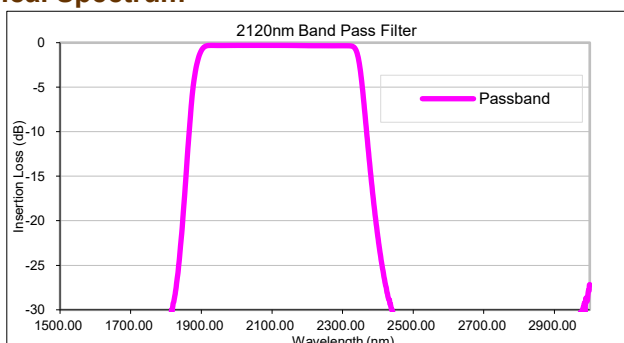
* For devices with connectors, IL+0.3dB, RL-5dB, PER -2dB

* Power handling can be higher on request.

Package Dimensions



Typical Spectrum



Ordering Information

BPF- ①①①-②②②②-③③③-④④④-⑤⑤-⑥-⑦⑦

①	Port Type	1x1; 1x2;
②	Pass Wavelength	2120;
③	Pass Band Width	435=435nm;
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;