

Band Pass Filter - 1572nm, 45.5nm - (1570nm BPF)

Features

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

Applications

ASE Laser
Quantum Computer
EDFA
Gas Sensing



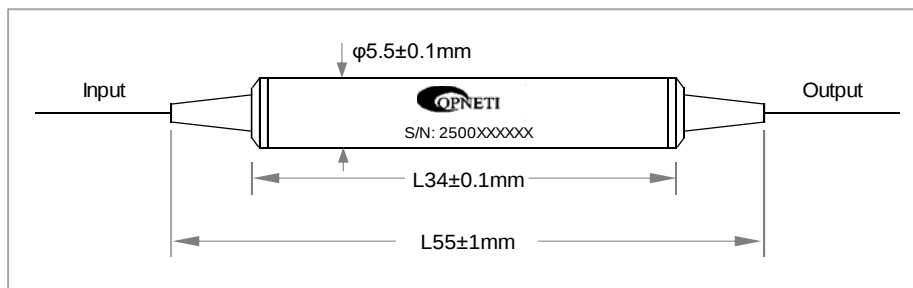
Specifications

Parameters	Unit	Values
Operation Wavelength Range	nm	1520~1620
Center Wavelength	nm	1572
Passband Width (at 1dB)	nm	45.5
1dB Pass Wavelength Range	nm	1549~1594.5
3dB Pass Wavelength Range	nm	1548.5~1595.5
Pass Wavelength Range tolerance	nm	45.5±0.5
Stop Wavelength Range	nm	1520~1546 and 1599.5~1620
Pass Insertion Loss	dB	≤0.9
Stop Band Isolation	dB	≥30
PDL	dB	≤0.2
Return Loss (SMF/MMF)	dB	≥50/30
Max Power Handling (CW)	mW	500
Fiber Type		MMF50/125, SMF-28e
Operating Temperature	°C	-0 ~ +70
Storage Temperature	°C	-40 ~ +85
Dimensions	mm	φ5.5×L34

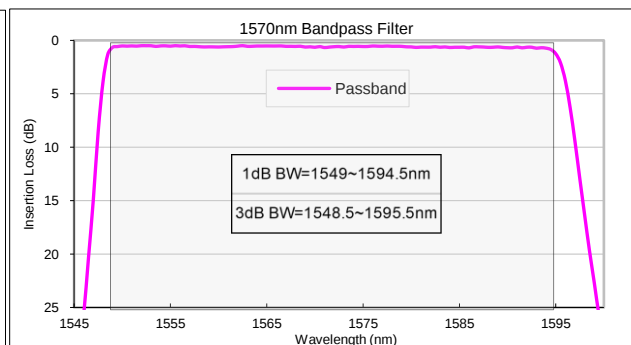
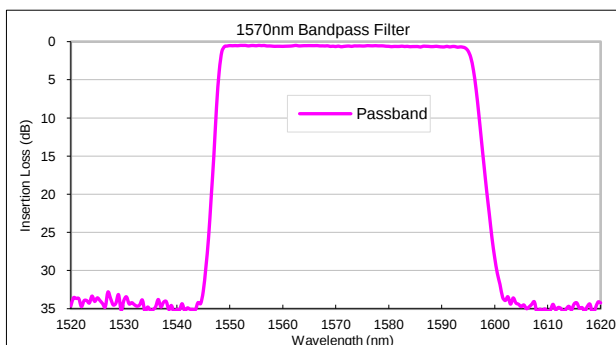
* For devices with connectors, IL+0.3dB, RL-5dB,

* Power handling can be higher on request.

Package Dimensions



Typical Spectrum



Ordering Information**BPF-** ①①①-②②②②-③③③③-④④④④-⑤⑤⑤-⑥-⑦⑦

①	Port Type	1x1;
②	Pass Wavelength	1572;
③	Pass Band Width	45.5=45.5nm;
④	Pigtail Type	250=250μm Fiber; 900=900μm Loose Tube;
⑤	Fiber Type	O2=MMF50/125; 1=SMF-28e;
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;