Band Pass Filter - 1550nm, 2nm

Features

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

Applications

- ASE Laser
- Quantum Computer
- EDFA
- Gas Sensing

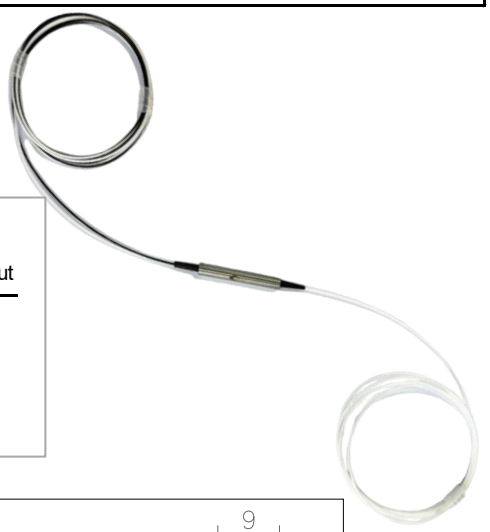
RoHS Reach

Specifications

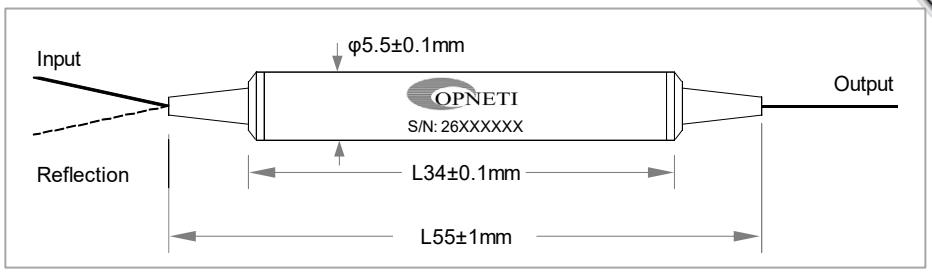
Parameters	Unit	Values
Operation Wavelength Range	nm	1500~1600
Center Wavelength	nm	1550
Passband Width (at 1dB)	nm	2
1dB Pass Wavelength Range	nm	1549 ~ 1551
Pass Wavelength Range tolerance	nm	±0.1
Reflection Wavelength Range	nm	1500~1547 & 1553~1600
Passband Insertion Loss	dB	⩽0.9
Reflection Band Insertion Loss	dB	⩽0.6
Passband Isolation	dB	⩾30
Relection Band Isolation	dB	⩾20
PDL (for SMF-28e fiber)	dB	⩽0.15
PER (for PM1550 fiber)	dB	⩾20
Return Loss	dB	⩾50
Max Power Handling (CW)	W	0.5, 1, 5, 10
Fiber Type		PM1550
Operating Temperature	℃	-0 ~ +70
Storage Temperature	℃	-40 ~ +85
Dimensions	mm	φ5.5×L34, 90x16x9

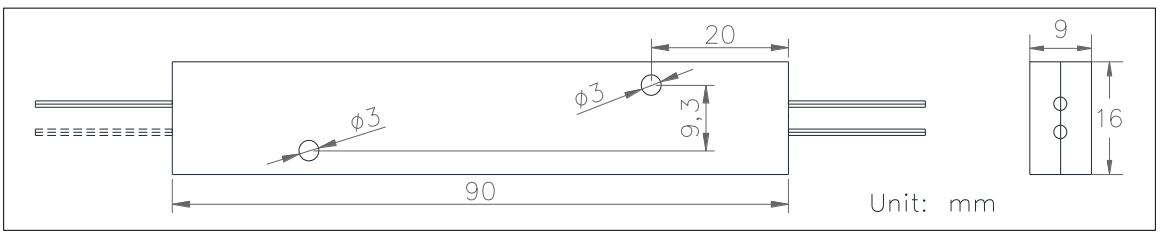
* For devices with connectors, IL+0.3dB, PER-2dB, RL-5dB,

* Power handling can be higher on request.

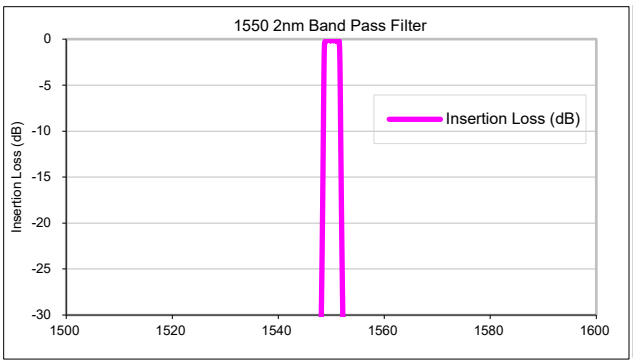


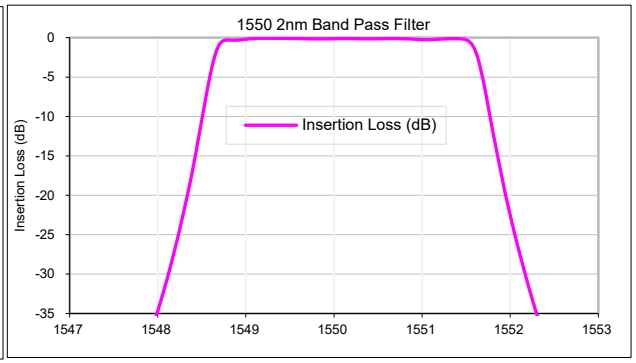
Package Dimensions





Typical Spectrum





Ordering Information

BPF- ①①①-②②②②-③-④④④-⑤-⑥-⑦⑦-⑧⑧⑧⑧

①	Port Type	1x1; 1x2;
②	Pass Wavelength	1550;
③	Pass Band Width	3=3nm;
④	Pigtail Type	250=250μm Fiber; 900=900μm Loose Tube;
⑤	Fiber Type	1=SMF-28e; P15=PM1550;
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;
⑧	Optical Power	0.5W; 1W; 2W; 5W; 10W;