Band Pass Filter - 1948nm, 40nm

Features

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

Applications

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

RoHS Reach

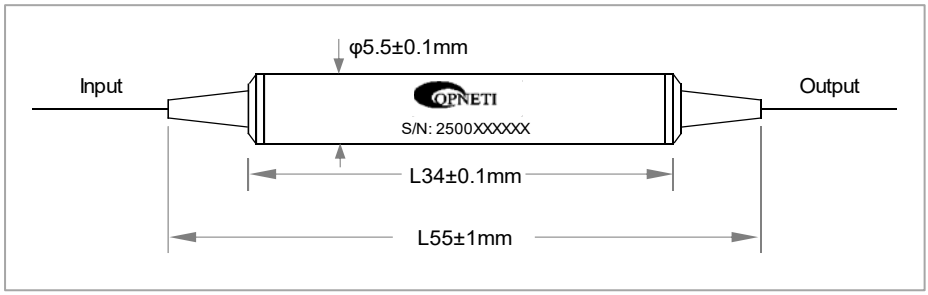
Specifications

Parameters	Unit	Values
Operation Wavelength Range	nm	1520~2500
Center Wavelength	nm	1948
Passband Width (at 1dB)	nm	40
1dB Pass Wavelength Range	nm	1928~1968
3dB Pass Wavelength Range	nm	1922~1974
Pass Wavelength Range tolerance	nm	40±1
Stop Wavelength Range	nm	1520~1908 and 1988~2500
Pass Insertion Loss	dB	≤0.9
Stop Band Isolation	dB	≥25
PDL	dB	≤0.2
PER (for PM Fiber)	dB	≥20
Return Loss (SMF/MMF)	dB	≥50/30
Max Power Handling (CW)	mW	500
Fiber Type		MMF50/125, SMF-28e, SM1950, PM1950
Operating Temperature	℃	-0 ~ +70
Storage Temperature	℃	-40 ~ +85
Dimensions	mm	φ5.5×L34

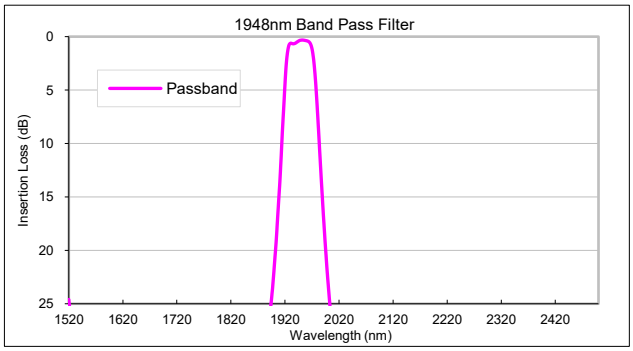
* For devices with connectors, IL+0.3dB, RL-5dB, PER -2dB,

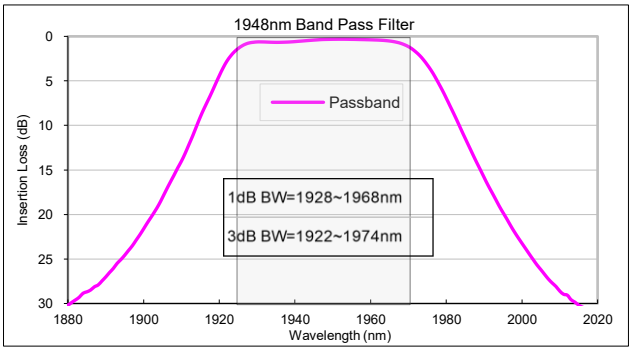
* Power handling can be higher on request.

Package Dimensions



Typical Spectrum





Ordering Information

BPF- ①①①-②②②②-③③-④④④-⑤⑤-⑥-⑦⑦

①	Port Type	1x1; 1x2;
②	Pass Wavelength	1948;
③	Pass Band Width	40=40nm;
④	Pigtail Type	250=250μm Fiber; 900=900μm Loose Tube;
⑤	Fiber Type	O2=MMF50/125; 1=SMF-28e; S9=SM1950; P19=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;