Band Pass Filter - 900nm, 23nm

Features

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

Applications

- Laser Scanning and Surveying / LiDAR
- Phototherapy and Laser Surgery
- Telecom System
- Laser Cutting / Welding / Marking

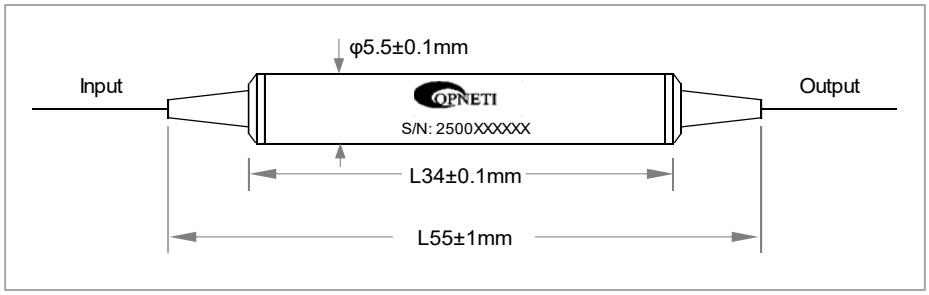
Specifications

Parameters	Unit	Values
Operation Wavelength Range	nm	350~1100
Center Wavelength	nm	900
Passband Width (at 1dB)	nm	23
1dB Pass Wavelength Range	nm	888~911
3dB Pass Wavelength Range	nm	885~915
Pass Wavelength Range tolerance	nm	23±0.5
Stop Wavelength Range	nm	350~860 and 933~1100
Pass Insertion Loss	dB	≤0.9
Stop Band Isolation	dB	≥30
PDL	dB	≤0.2
Extinction Ratio (for PMF) (PER)	dB	≥20
Return Loss (SMF/MMF)	dB	≥50/30
Max Power Handling (CW)	mW	500
Fiber Type		MMF50/125, SMF-28e, HI1060, HI1060Flex, PM980
Operating Temperature	℃	-0 ~ +70
Storage Temperature	℃	-40 ~ +85
Dimensions	mm	φ5.5×L34

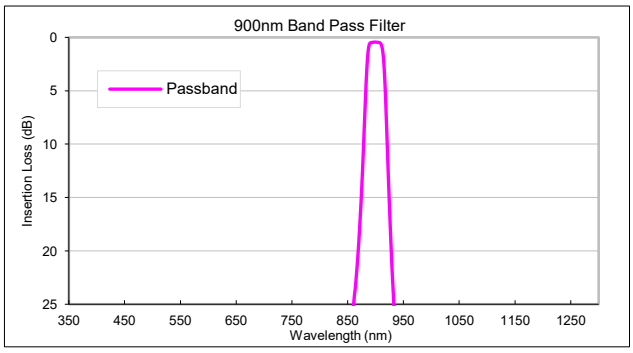
* For devices with connectors, IL+0.3dB, RL-5dB, PER-2dB.

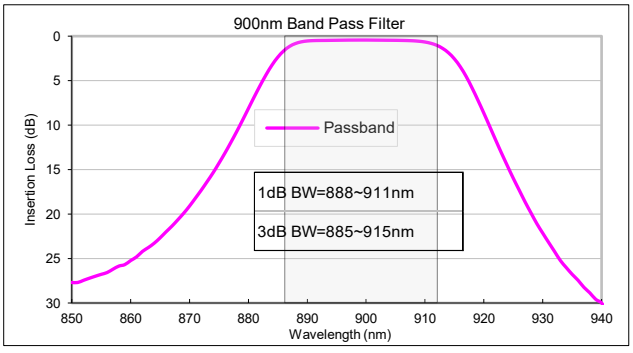
* Power handling can be higher on request.

Package Dimensions



Typical Spectrum





Ordering Information

BPF- ①①①-②②②-③③-④④④-⑤⑤-⑥-⑦⑦

①	Port Type	1x1;
②	Pass Wavelength	900;
③	Pass Band Width	23=23nm;
④	Pigtail Type	250=250μm Fiber; 900=900μm Loose Tube;
⑤	Fiber Type	O2=MMF50/125; 1=SMF-28e; 4=HI1060; 8=HI1060Flex; P98=PM980;
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;