

Band Pass Filter - 808.5nm, 1nm

Features

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

Applications

LANs Communications
Fiber Sensor
LIDAR/LADAR
Quantum Optics and Atomic Clocks



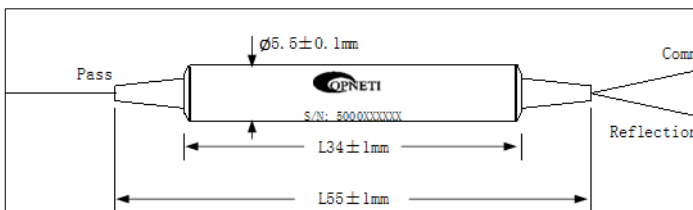
Specifications

Parameters	Unit	Values
Operation Wavelength Range	nm	700~900
Center Wavelength	nm	808.5
Passband Width (at 0.8dB)	nm	1
1dB Pass Wavelength Range	nm	808~809
3dB Pass Wavelength Range	nm	807.9~809.3
Pass Wavelength Range Tolerance	nm	1±0.2
Reflection Band Wavelength Range	nm	700~805 and 812~900
Pass Insertion Loss (IL)	dB	≤0.9
Relection Band Insertion Loss (IL)	dB	≤0.6
Passband Isolation	dB	≥30
Relection Band Isolation	dB	≥15
Extinction Ratio (for PMF) (PER)	dB	≥20
PDL	dB	≤0.15
Return Loss (SMF(PMF)/MMF) (RL)	dB	≥50/30
Max Power Handling (CW)	mW	500
Fiber Type		MMF50/125, HI780, 780HP, PM850, PM780-HP
Operating Temperature	℃	-0 ~ +70
Storage Temperature	℃	-40 ~ +85
Dimensions	mm	φ5.5×L34

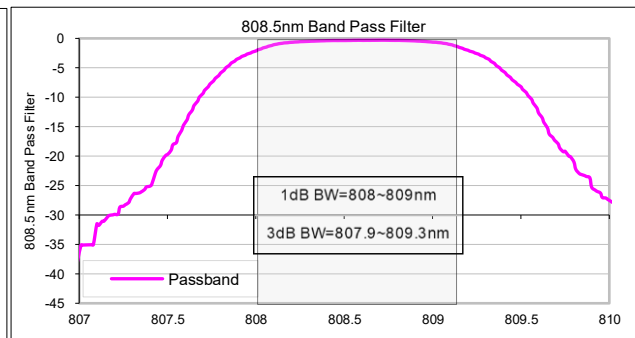
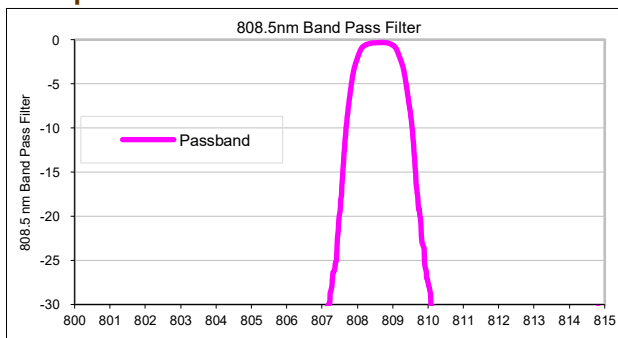
* For devices with connectors, IL+0.3dB, RL-5dB, PER -2dB

* Power handling can be higher on request.

Package Dimensions



Typical Spectrum



Ordering Information**BPF-** ①①①-②②②②②-③-④④④-⑤⑤⑤-⑥-⑦⑦

①	Port Type	1x1; 1x2;
②	Pass Wavelength	808.5;
③	Pass Band Width	1=1nm;
④	Pigtail Type	250=250μm Fiber; 900=900μm Loose Tube;
⑤	Fiber Type	O2=MMF50/125; 7=H1780; H78=780HP; P85=PM850; P78=PM780HP;
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;