

Band Pass Filter - 1070nm, 5nm - (1070nm BPF)

Features

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

Applications

Efficient Frequency Conversion
Free-Space Optical (FSO) Link
Laser Rangefinding/Targeting
Medical Cosmetology



Specifications

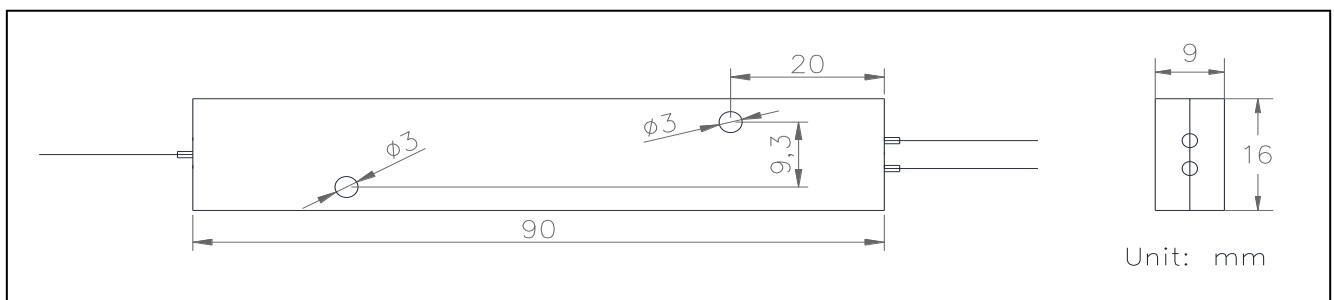
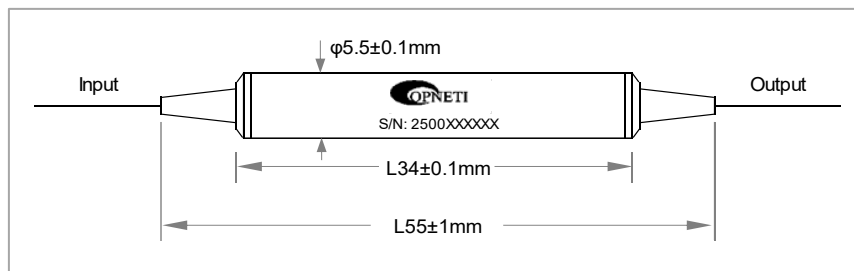
Parameters	Unit	Values
Operation Wavelength Range	nm	1000~1100
Center Wavelength	nm	1070.5
Passband Width (at 1dB) ^[1]	nm	5
1dB Pass Wavelength Range	nm	1068~1073
3dB Pass Wavelength Range	nm	1065~1075
Pass Wavelength Range tolerance	nm	5±1
Stop Wavelength Range	nm	1000~1054 and 1086~1100
Pass Insertion Loss ^[2]	dB	≤0.9
Stop Band Isolation	dB	≥25
PDL	dB	≤0.2
Extinction Ratio (for PMF) (PER)	dB	≥20
Return Loss (RL) ^[2]	dB	≥50
Max Power Handling (CW) ^[3]	W	0.5, 1, 10
Fiber Type		HI1060, HI1060Flex, PM980
Operating Temperature	°C	-0 ~ +70
Storage Temperature	°C	-40 ~ +85
Dimensions	mm	φ5.5×L34, 90x16x9

^[1] Passband will be about 4nm at 0.5dB.

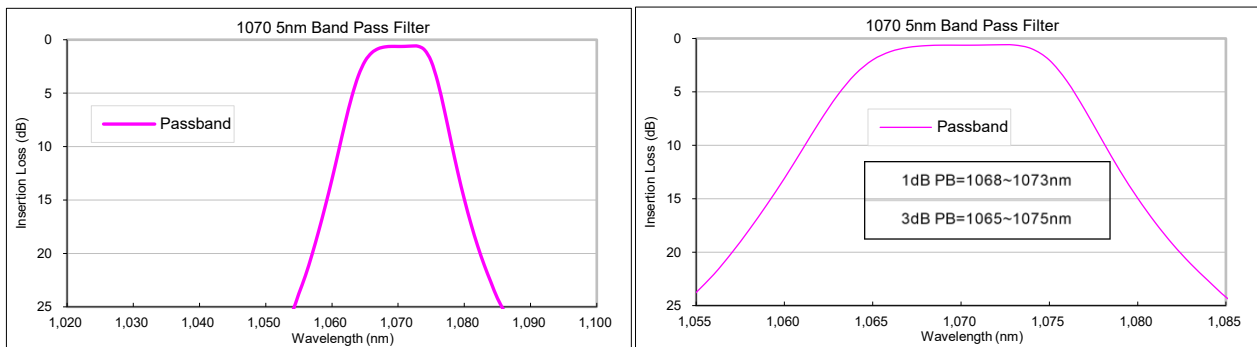
^[2] For devices with connectors, IL+0.3dB, RL-5dB,

^[3] 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	1070;
③	Pass Band Width	5=5nm;
④	Pigtail Type	250=250μm Fiber; 900=900μm Loose Tube;
⑤	Fiber Type	4=HI1060; 8=HI1060Flex; P98=PM980;
⑥	Fiber 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; 10W