# Band-pass Filter

## Features

- Low insertion loss
- High extinction ratio and return loss
- Excellent environmental stability

## Application

- Fiber laser
- Erbium doped fiber amplifiers
- Optical fiber sensing

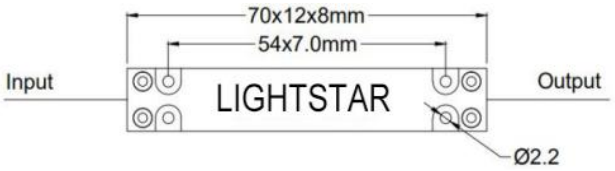
## Specifications

| Parameter | Unit | Value |
|---|---|---|
| Central wavelength | nm | 1550,1064,1030 or Specified |
| Minimum channel bandwidth(@-0.5dB) | nm | 2,5,8,15 or Specified |
| Minimum cut-off bandwidth(@-25dB) | nm | Specified |
| Maximum insertion loss @ pass band | dB | 0.8 |
| Minimum extinction ratio23℃(Polarization-maintaining Fiber type) | dB | 20 |
| Maximum polarization dependent loss@23℃(Single mode Fiber type) | dB | 0.15 |
| Minimum return loss | dB | 50 |
| Maximum bearing power(CW) | W | 0.5,1,5, 10, 20 or Specified |
| Peak power of the maximum ns pulse | kW | 10 or Specified |
| Maximum tensile load | N | 5 |
| Operating temperature | ℃ | 0~+70 |
| Storage temperature | ℃ | -40~+85 |

When using the Connector, the processing power is only 1W, the Insertion loss is 0.3dB higher, the return loss is 5dB lower, and the extinction ratio is 2dB lower. The Connector key is aligned with the slow axis.

## Package dimensions


Maximum input power: 5W




Maximum input power: 20W

## Ordering information

PMBPF-①①①①-②②-③-④④④-⑤-⑥-⑦-⑧⑧-⑨ /BPF-①①①①-②②-③-④④④-⑤-⑥-⑦-⑧⑧-⑨

①①①①:Wavelength
0698=T1064nm/R980nm
0698=T1064nm/R980nm
SSSS=Specify

②②:Bandwidth
02=2nm
10=10nm
SS=Specified

③:Working axis
B=Both axis working
F=Fast axis blocked
N=Non-PM

④④④:Fiber type
001=PM1550
003=PM980
SSS=Specify

⑤:Package dimensions
0= φ5.5x35mm
1=70x12x8mm
S=Specify

⑥:Pigtail type
1=250um bare fiber
2=900um loose tube
S=Specify

⑦:Length
H=0.5m
1= 1.0m
S=Specify

⑧⑧:Power
01=1Wr
20=20W
SS=Specify

⑨:Connector
0=None
1=FC/UPC
2=FC/APC
S=Specify