

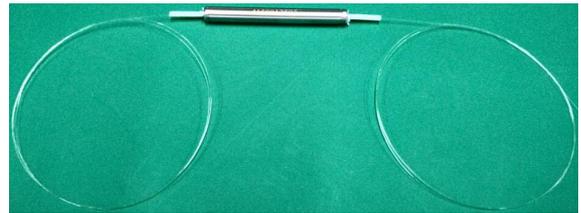
# High Power Narrow Band Pass Filter

## Description

Filter type 1064nm band pass filter is based on proven thin-film and high power technology. Lightcomm developed a kind of effective heat dissipation techniques that the BPFs' temperature can be fall down. They are characterized with low insertion loss, high power handling, high return loss, excellent environmental stability and reliability. The device is widely used in fiber laser system which needs a pure 1064nm laser output or block other wavelength.

## Key Features

- \* Low insertion loss
- \* PM and Non-PM are available
- \* High Beam Quality
- \* Fiber can be customized



## Applications

- \* Fiber Laser system

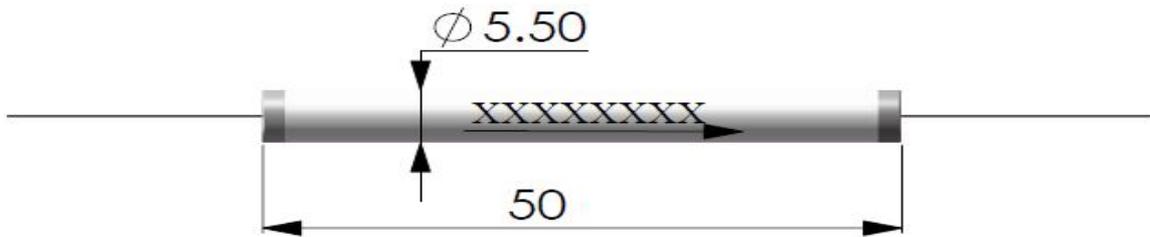
## Specifications

Type		HPBPF
Parameter		
Operating Wavelength (nm)		1000~1100
Center Wavelength (nm)		1064
Pass Bandwidth @-0.5dB (nm)		≥10 or customized
Stop Bandwidth @-25dB (nm)		≤25
Insertion Loss in Pass Wavelength @23℃ ( dB) ( Input power 1mW )		≤0.7
Insertion Loss in Pass Wavelength @23℃ ( dB) ( Input power max. power )		≤0.9
Return Loss ( dB)		≥50
Fiber Type		Hi 1060 or customized
Operating Temperature (℃)		0~+70
Storage Temperature (℃)		-40~+85
Max. Power Handling	Average (W)	10
	Pulse Peak(KW)	10
Dimensions(mm)		φ5.5*50

\* Power Handling is total power= Forward power+ Backward power.

\*Other specifications can be made on customer request.

## Mechanical Dimension (Unit: mm)



## Ordering Information

HP(M)BPF-XXXX-X-X-X(X)- X -XX\*XX-XX

