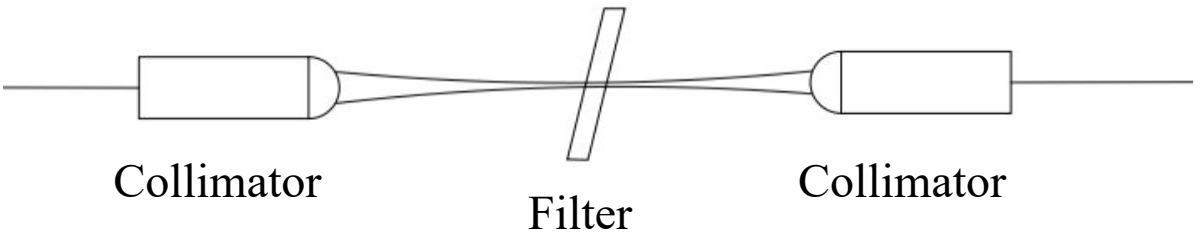
Band-pass filter is a passive device that passes the wavelength within a certain range and attenuates wavelengths outside the range.

The band-pass filters produced by CASTECH are divided into polarization-maintaining type and non-polarization-maintaining type. There is an extremely flat passband without amplification or attenuation, and the waves outside the passband are attenuated within a certain range. Based on the thin film filter technology, the band-pass filters have the characteristics of high isolation and low insertion loss.

Applications

- **Fiber laser**
- **Fiber optic sensing**
- **ASE spectrum control**
- **Fiber grating application**



Schematic diagram of bandpass filter

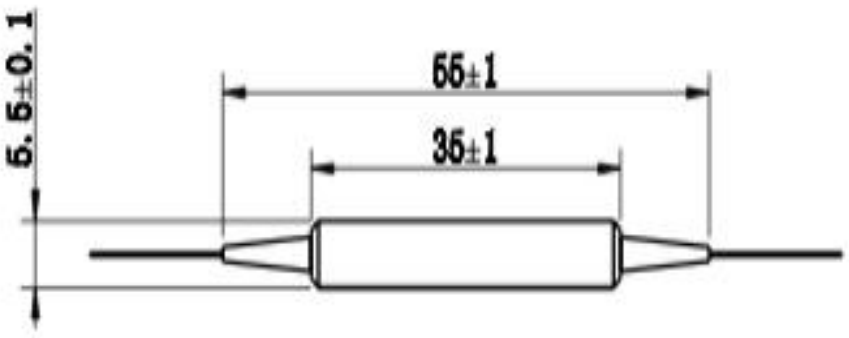
Filter Model Number：CBPF-w-f-b-l-h

Wave Length(w)	Passband Bandwidth(f)	Fiber Type(b)		Pigtail Length(l)	Housing(h)
980 nm 1030 nm 1064 nm 1550 nm ...	2 nm 5 nm 9 nm ...	Non-Polarization-Maintaining	1 (Hi1060) 2 (SMF-28e) 3 (10/125) ...	80 (800 mm) 100 (1 m) 150 (1.5 m) …	A01 A02 A03 …
		Polarization-Maintaining	P1 (PM980) P2 (PM1550) ...		

Typical Specifications

Center Wavelength	Passband Bandwidth(0.5 dB)	Cut-off Bandwidth (25 dB)	Insertion Loss	Withstand Power
1064 nm	2nm，8nm，25nm	12nm，22nm，50nm	1.2 dB	300 mW
1550 nm	2nm，8nm，25nm	12nm，22nm，50nm	0.8 dB	300 mW

Housing dimensions(mm)：



Fixed bandpass filter