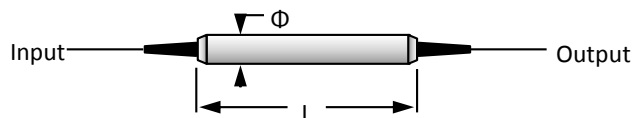


High Power Band Pass Filter 1053nm, up to 20W

The 1053nm High Power Band-pass Filter is based on thin-film filter technology that passes wavelengths within a certain range and rejects (attenuates) wavelengths outside that range. The band-pass filter features high isolation, low insertion loss and high power handling.



Features

- High Isolation
- Low Insertion Loss
- High Power Handling

Applications

- Fiber Laser
- Fiber Sensor
- FBG Applications

Performance Specification

Parameter	Value	Unit
Center Wavelength (λ_c)	1053 or customized	nm
Operating Wavelength Range	± 0.5	nm
Pass Band	$\lambda_c \pm 2.5$ $\lambda_c \pm 5.0$	nm
Min. Pass Isolation @ 20dB Down	12 22	nm
Typ. Insertion Loss	0.5	dB
Max. Insertion Loss at Pass Band	0.7	dB
Max. PDL	0.1	dB
Min. Return Loss	50	dB
Max. Thermal Stability	0.005	dB/°C
Max. Optical Power (CW)	0.5, 1, 2, 5, 7, 10, 20 or Customized	W
Max. Tensile Load	5	N
Fiber Type	HI 1060 Fiber, 10/125 fiber or customized	
Operating Temperature	-5 to +65	°C
Storage Temperature	-20 to +75	°C
Package Dimension	$\Phi 5.5 \times L35$	mm

Note

* For devices with connectors, IL will be 0.3dB higher and RL will be 5dB lower.
 * For pulse applications, pls discuss with OF-LINK.
 * Connectors only CW 1W handling power guarantee.

Ordering Information

HPBPF-AAAA-BB-C-DD-EE-FF

AAAA	BB	C	DD	EE	FF
Wavelength	Pass Band	Fiber Jacket	Fiber Length	Connector	Power
1053 - 1053nm	05 - 5nm	B - 250um Bare Fiber	05 - 0.5m	NE - None	Z5 - 0.5W
1064 - 1064nm	10 - 10nm		08 - 0.8m	FA - FC/APC	07 - 7W
SSSS - Specify	SS - Specify	L - 900um Loose Tube	10 - 1.0m	FP - FC/PC	10 - 10W
			15 - 1.5m	SA - SC/APC	20 - 20W
			SS - Specify	SP - SC/PC	SS - Specify
				LA - LC/APC	
				LP - LC/PC	
				SS - Specify	