

1025nm High Power Gaussian Bandpass Filter

FEATURES

- High Isolation
- Low Insertion Loss
- High Reliability and Stability
- Various Bandwidth
- High Optical Power

APPLICATIONS

- Broadband Systems
- Optical Amplifying Systems
- Telecommunication Networks
- Laser Systems
- Research Labs



SPECIFICATIONS

Parameters	Unit	Value
Center Wavelength	nm	1025
Insertion Loss at Center Wavelength	dB	≤1.2
FWHM (Standard)	nm	~11
Stop Wavelength (ASE)	nm	995~1012&1038~1055
Stop Wavelength (ASE)	dB	Standard
Isolation		High Isolation
ASE Direction	-	F: Forward, B: Backward, T: Two-way
Configuration	-	D: 2-port, Y: 3-port, X: 4-port
Optical Return Loss	dB	≥50
Polarization Dependent Loss	dB	≤0.15
Fiber Type	Input&Output	HI1060 Fiber or 10/125um SC Fiber (E) 10/125um DC Fiber (O), 15/130um DC Fiber (W) 20/130um DC Fiber (Q) or 25/250um DC Fiber (R)
	ASE Guide Out (Y/X Type)	Same Fiber or MM Fiber
Fiber Tensile Load	N	5
Max. Optical Power (CW, ASE+Signal)	W	0.3, 0.5, 1, 2, 3, 5, 10, 15, 20, 30, 40, 50, 60
Max. ASE Optical Power (CW)	W	0.3, 0.5, 1, 2, 3, 4, 5, 10
Operating Temperature	°C	0~50
Storage Temperature	°C	-40~85
Package Dimension	Stainless Steel Tube (SST)	∅5.5x ^L 35 (≤5W); ∅6.0x ^L 50 (5~10W)
	Metal Box	H: ^L 90x ^W 12x ^H 10 (>10W); M: ^L 120x ^W 12x ^H 10 (≤10W)

Note: 1. Specifications are for device without connectors; Specifications may change without notice.

2. To add connectors, IL is 0.5dB higher, RL is 5dB lower.

3. Only guarantee 1W continuous wave (CW) power thru testing for connectors added.

4. Suggest to use Y/X type if blocked optical power is ≥1W.

5. FWHM for high isolation type will change to Bandwidth@~6nm.

6. Devices for higher optical power or with other type fiber or consigned fiber are also available; Devices can only work in the core of Double Cladding (DC) Fiber, Cladding Power must be stripped before connecting the device.

7. Package size may be different for different optical power and configurations.

ORDERING INFORMATION (PN)

FFGP-1025-**NN(C) (C)** - **(C)** **(C)** -**HPNN** - **(NN)** -**(C)** **(C)** **C** **NN** -**CC/CC**

FWHM	ASE Type	ASE Iso	Fwd ASE Fiber	Bwd ASE Fiber	Optical Power	ASE Power	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
110~11nm	B=Backward T=Two-way	I=High Isolation	Y=Same Fiber A=105/125um Fiber	Y=Same Fiber A=105/125um Fiber	03~300mW 1=1W	1=1W 5=5W	M=Metal Box H=H Box	E=10/125 SC Fiber Q=20/130 DC Fiber	B= Bare fiber L= Loose Tube	05=0.5m 10=1.0m	N=Without Connector FC/APC=FC/APC Connector
	Blank for Forward	Blank for	N=None Blank for D Type	5=50/125um Fiber Blank for None or D Type	5=5W 10=10W	10=10W Blank for 300mW	Blank for SST	R=25/250 DC Fiber Blank for HI1060 Fiber	2= 2mm Cable 3= 3mm Cable	15=1.5m 20=2.0m	LC/PC=LC/PC Connector SC/UPC=SC/UPC Connector

