

1025nm Multimode 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) Standard	dB	≥25	
Isolation High Isolation		≥45	
ASE Direction	-	F: Forward, B: Backward, T: Two-way	
Configuration	-	D: 2-port, Y: 3-port, X: 4-port	
Optical Return Loss	dB	≥30	
Fiber Type	Input&Output	50/125um (OM2) or 62.5/125um (OM1) MM Fiber 50/125um OM3 MM Fiber (3) or OM4 MM Fiber(4) 105/125um MM Fiber, NA=0.12(C), 0.15(B), 0.22(A)	
	ASE Guide Out (Y/X Type)	Same 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)	mm	∅5.5x ^L 35 (≤5W); ∅6.0x ^L 50 (5~10W)
	Metal Box	mm	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 0.3dB higher, RL is 5dB lower.

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

4. Specifications are tested at low order modes.

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

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

7. Devices for higher optical power or with other type fiber or consigned fiber are also available.

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

ORDERING INFORMATION (PN)

FMGP-1025-**NN(C)(C)** - **(C)** **(C)** -**HPNN** - **(NN)** -**(C)** **C** **C** **NN** -**CC/CCC**

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	I=High	Y=Same Fiber	Y=Same Fiber	03=300mW	1= 1W	M= Metal Box	5= 50/125um MM Fiber	B= Bare fiber	05=0.5m	N=Without Connector
	T=Two-way	Isolation	N=None	Blank for None/D Type	1= 1W	5= 5W	H=H Box	6= 62.5/125um MM Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
	Blank for Forward	Blank for	Blank for D Type		5= 5W	10=10W	Blank for SST	3= OM3 MM Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector
		Standard			10=10W	Blank for 300mW		A= 105/125um, NA=0.22	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector
								B=105/125um, NA=0.15			