1030nm PM 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	Standard	High ER Type
Center Wavelength		nm	1030	
Min. Pass Band Width @ 0.5dB		nm	1.3, 2.0, 4.0, 6.0, 9.0, 10, 12, 20	
Insertion Loss over Pass Band Wavelength		dB	≤1.2	≤1.4
Stop Wavelength (ASE)	1.3nm Bandwidth	nm	1000~1027&1033~1100	
	2nm Bandwidth	nm	1000~1027&1033~1100	
	4nm Bandwidth	nm	1000~1024&1034~1100	
	6nm Bandwidth	nm	1000~1024&1036~1100	
	9nm Bandwidth	nm	1000~1022&1038~1100	
	10nm Bandwidth	nm	1000~1021&1039~1100	
	12nm Bandwidth	nm	1000~1018&1042~1100	
	20nm Bandwidth	nm	960~1014&1046~1100	
Stop Wavelength (ASE) Isolation	Standard	dB	≥25	
	High Isolation	dB	≥45	
ASE Direction		-	F: Forward, B: Backward, T: Two-way	
Configuration		-	D: 2-port, Y: 3-port, X: 4-port	
Optical Return Loss		dB	≥50	
Extinction Ratio		dB	≥18	≥20
Fiber Type	Input&Output	-	PM980 Fiber, PM1060L Fiber (E) or PM1060L-FA Fiber (L)	
			10/125um PMDC Fiber (O), 15/130um PMDC Fiber (W)	
			20/130um PMDC Fiber (Q) or 25/250um PMDC Fiber (R)	
	ASE Guide Out (Y/X Type)	-	Same Fiber, Corr. SM Fiber or MM Fiber	
Fiber Tensile Load		N	5	
Max. Optical Power (CW, ASE+Signal)		mW	300	
Operating Temperature		°C	0~50	
Storage Temperature		°C	-40~85	
Package Dimension	Stainless Steel Tube (SST)	mm	Ø5.5xL35	
	Metal Box	mm	L120xW12xH10	

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, ER is 2dB Lower, Connector key is aligned to slow axis.

3. High ER type can only work in slow axis.

4. 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.

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

Ordering Information (PN)

FPBP-1030-NN(C) (C) (C) - (C) (C) -(C) C C NN -CC/CCC

Bandwidth	Type	ASE Type	ASE Iso	Fwd ASE Fiber	Bwd ASE Fiber	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
20=2nm	R=High ER	B=Backward	I=High	Y=Same Fiber	Y=Same Fiber	M=Metal Box	2=PM980Fiber	B= Bare fiber	05=0.5m	N=Without Connector
60=6nm	*Blank* for	T=Two-way	Isolation	S=Corr. SM Fiber	S=Corr. SM Fiber	*Blank* for SST	E=PM1060L Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
90=9nm	Standard	*Blank* for Forward	*Blank* for	N=None	A=105/125um Fiber		Q=20/130 PMDC Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector
200=20nm			Standard	*Blank* for D Type	*Blank* for None or D Type		R=25/250 PMDC Fiber	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector