1030nm PM Bandpass Filter

FEATURES

- High Isolation
- Low Insertion Loss
- Epoxy-Free Optical Path
- High Reliability and Stability

APPLICATIONS

- Broadband Systems
- Optical Amplifying Systems
- Telecommunication Networks
- Metro Networks

SPECIFICATIONS

Parameters		Unit	Standard	High ER Type
Center Wavelength		nm	1030	
Min. Pass Band Width @ 0.5dB		nm	1.3, 2.0, 8.0, 10.0, 20.0	
Insertion Loss over Pass Band Wavelength		dB	≤1.2	≤1.4
Stop Band @ 25dB	1.3nm Bandwidth	nm	1000~1027&1033~1100	
	2nm Bandwidth	nm	1000~1026&1034~1100	
	8nm Bandwidth	nm	1000~1020&1040~1100	
	10nm Bandwidth	nm	1000~1018&1042~1100	
	20nm Bandwidth	nm	960~1014&1046~1100	
Configuration	D Type	-	2-port	
	Y Type	-	3-port, (one-direction Blocked Wavelength Guide Out)	
	X Type	-	4-port, (bi-direction Blocked Wavelength Guide Out)	
Fiber Type at 3rd or 4th Port (for Y&X Type)		-	Same Fiber of other ports Corresponding SM Fiber or 50/125um MM Fiber	
Optical Return Loss		dB	≥50	
Extinction Ratio		dB	≥20	≥22
Fiber Type		-	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)	
Fiber Tensile Load		N	5	
Maximum Optical Power (CW)		mW	300	
Operating Temperature		°C	0~50	
Storage Temperature		°C	-40~85	
Package Dimension	Stainless Steel Tube (SST)	mm	(Ø)5.5x35	
	Metal Box	mm	(L)120x(W)12x(H)10	

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 at pass port; Suggest to use Y or X type if blocked optical power is >1W.

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.

ORDERING INFORMATION (PN)

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

Center Wavelength	Bandwidth	Type	3rd Port Fiber	4th Port Fiber	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
1030=1030nm	20=2nm	R=High ER	Y=Same Fiber	Y=Same Fiber	M=Metal Box	2=PM980Fiber	B= Bare fiber	05=0.5m	N=Without Connector
	80= 8nm	*Blank* for Standard	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
	100= 10nm		5=50/125um Fiber	5=50/125um Fiber		Q=20/130 PMDC Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector
	200= 20nm		*Blank* for D Type	*Blank* for D&Y Type		R=25/250 PMDC Fiber	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector