

2040nm 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	2040	
Min. Pass Band Width @ 0.5dB		nm	10.0	
Insertion Loss over Pass Band Wavelength		dB	≤1.4	≤1.6
Stop Wavelength (ASE)		nm	1970-2028 & 2052-2100	
Stop Wavelength (ASE)	Standard	dB	≥25	
Isolation	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	-	PM1550 Panda Fiber or PM1950 Fiber (V)	
	ASE Guide Out (Y/X Type)	-	10/130um PMDC Fiber (O) or 25/250um PMDC Fiber (R)	
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	∅5.5x ^L 35	
	Metal Box	mm	^L 120x ^W 12x ^H 10	

- Note:**
- Specifications are for device without connectors; Specifications may change without notice.
 - To add connectors, IL is 0.3dB higher, RL is 5dB lower, ER is 2dB Lower, Connector key is aligned to slow axis.
 - High ER type can only work in slow axis.
 - 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.
 - Package size may be different for different optical power and configurations.

ORDERING INFORMATION (PN)

FPBP-2040-NNN(C) (C) (C) (C) -(C) C C NN -CC/CCC
<i>Bandwidth</i> <i>Type</i> <i>ASE Type</i> <i>ASE Iso</i> <i>Fwd ASE Fiber</i> <i>Dwd ASE Fiber</i> <i>Package</i> <i>Fiber Type</i> <i>Fiber Sleeve</i> <i>Fiber Length</i> <i>Connector Type</i>
100-10nm R=High ER B=Backward I=High Y=Same Fiber Y=Same Fiber M=Metal Box 2=PM1550Fiber B= Bare fiber 05=0.5m N=Without Connector
Blank for T=Two-way Isolation S=Corr. SM Fiber S=Corr. SM Fiber Blank for SST V=PM1950 Fiber L= Loose Tube 10=1.0m FC/APC=FC/APC Connector
Standard Blank for Forward Blank for N=None A=105/125um Fiber 0=10/130 PMDC Fiber 2= 2mm Cable 15=1.5m LC/PC=LC/PC Connector
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