2090nm PM BP/Partial Mirror Hybrid

FEATURES

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

APPLICATIONS

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

SPECIFICATIONS

Parameters		Unit	Standard	High ER Type
Center Wavelength		nm	2090	
Min. Bandwidth@0.5dB		nm	20.0	
Excess Loss		dB	≤1.8	≤2.2
Stop Band @25dB		nm	2030-2070 & 2110-2150	
Reflective Ratio		%	1±0.6, 2±0.8, 5±1, 10, 20, 30, 40, 50, 80, 90	
Configuration	D Type	-	2-port	
	Y Type	-	3-port, (Blocked Wavelength Guide Out)	
Fiber Type at 3rd Port (Only for Y Type)		-	Same Fiber, Corr. SM Fiber or 50/125um MM Fiber	
Optical Return Loss		dB	≥45	
Extinction Ratio		dB	≥18	≥20
Fiber Type		-	PM1550 Panda Fiber or PM1950 Fiber (V)	
			10/130um PMDC Fiber (O) or 25/250um PMDC Fiber (R)	
Fiber Tensile Load		N	5	
Max. 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 0.3dB 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 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)

FPHR-**NNNN** - **NNN**   **NN** - **(C)**   **(C)** - **(C)**   **C**   **C**   **NN**   **-CC/CCC**

Center Wavelength	*Bandwidth*	*Ref. Ratio*	*Type*	*3rd Port Fiber*	*Package*	*Fiber Type*	*Fiber Sleeve*	*Fiber Length*	*Connector Type*
2090 =2090nm	200=20nm	01= 1%	R=High ER	Y=Same Fiber	M=Metal Box	2=PM1550Fiber	B= Bare fiber	05=0.5m	N=Without Connector
		05=5%	*Blank* for Standard	S=Corr. SM Fiber	*Blank* for SST	V=PM1950 Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
		50=50%		5=50/125um Fiber		O=10/130 PMDC Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector
		90=90%		*Blank* for D Type		G=25/300 PMDC Fiber	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector