

## 1550nm PM BP/Partial Mirror Hybrid (<10nm BW)

### 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	1550	
Min. Bandwidth@0.5dB		nm	0.3, 0.7, 2.0, 3.0, 4.0, 5.0, 7.0	
Excess Loss		dB	≤1.3	≤1.5
Stop Band @25dB	0.3nm Bandwidth	nm	1520~1549 & 1551~1610	
	0.7nm Bandwidth		1520~1548 & 1552~1610	
	2nm Bandwidth		1520~1547 & 1553~1610	
	3nm Bandwidth		1520~1546 & 1554~1610	
	4nm Bandwidth		1520~1545 & 1555~1610	
	5nm Bandwidth		1520~1544 & 1556~1610	
	7nm Bandwidth		1520~1543 & 1557~1610	
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 3 <sup>rd</sup> 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, 10/125um PMDC Fiber (O), 12/130um PMDC Fiber (T), 20/130um PMDC Fiber (Q) 25/250um PMDC Fiber (R), 25/300um PMDC Fiber (G)	
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	NN	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	
1550 =1550nm	03=0.3nm	01= 1%	R=High ER	Y=Same Fiber	M=Metal Box	2=PM1550Fiber	B= Bare fiber	05=0.5m	N=Without Connector	
	07=0.7nm	05=5%	Blank for	S=Corr. SM Fiber	Blank for SST	0=10/125 PMDC Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector	
	30=3nm	50=50%	Standard	5=50/125um Fiber		T=12/130 PMDC Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector	
	70=7nm	90=90%		Blank for D Type		G=25/300 PMDC Fiber	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector	