

## 1080nm High Power PM BP/Partial Mirror Hybrid

## **FEATURES**

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## **APPLICATIONS**

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- High Isolation
- Low Insertion Loss Ō
- Broadband Systems 0
- **Optical Amplifying Systems** 0
- High Reliability and Stability **Telecommunication Networks** 0
- Various Bandwidth 0
- High Optical Power 0
- Laser Systems **Research Labs** 0

**SPECIFICATIONS** 

Parameters		Unit	Standard	High ER Type				
Center Wavelength		nm	1080					
Min. Bandwidth@0.5dB	5	nm	5.0					
Excess Loss		dB	≤1.3 ≤1.5					
Stop Wavelength (ASE)	)	nm	1030-1070&1090-1150					
Stop Wavelength	Standard	dB	≥25					
(ASE) Isolation	High Isolation	dB	≥45					
Reflective Ratio		%	1±0.6, 2±0.8, 5±1, 10, 20, 30, 40, 50, 80, 90					
	Forward	-	Bandpass is before the Mirror					
BP Position	Backward	-	Bandpass is after the Mirror					
Configuration		-	D: 2-port, Y: 3-port, (Forward/Backward ASE Guide Out)					
Optical Return Loss		dB	≥45					
Extinction Ratio		dB	≥18 ≥20					
Fiber Type		-	PM980 Fiber, PM1060L Fiber (E) or PM1060L-FA Fiber (L)					
	Input&Output		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)		W	1, 2, 3, 5, 10, 15, 20, 30, 40, 50, 60, 80, 100					
Max. ASE Optical Power (CW)		W	0.3, 0.5, 1, 2, 3, 4, 5, 10					
Operating Temperature	9	°C	0~50					
Storage Temperature		°C	-40~85					
De elve en Dimon el a	Stainless Steel Tube (SST)	mm	<sup>Ø</sup> 5.5x <sup>L</sup> 35 (≤5W); <sup>Ø</sup> 6.0x <sup>L</sup> 50 (5~10W)					
Package Dimension	Metal Box	mm	H: └90x <sup>₩</sup> 12x <sup>H</sup> 10 (>10W);M: └120x <sup>₩</sup> 12x <sup>H</sup> 10 (≤10W)					

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 type if blocked optical power is >1W.

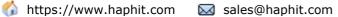
4. Only guarantee 1W continuous wave (CW) power thru testing for connectors added.

5. 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.

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

## **ORDERING INFORMATION (PN)**

FPHR-NN	NN - N	N (C)	NN	( <mark>C</mark> )	-( <mark>C</mark> )	( <mark>C</mark> ) -H	PNN	-(NN)	- ( <mark>C</mark> )	С	С	NN	-CC/CCC	
Center Wavelength	Bandwidth	ASE Iso	Ref. Ratio	<b>BP</b> Position	Туре	3rd Port Fiber	Optical Power	ASE Power	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type	
1080 =1080nm	<mark>50=</mark> 5nm	l=High	<mark>01-</mark> 1%	B=Backward	<mark>R=</mark> High ER	Y=Same Fiber	<mark>1</mark> - 1W	<mark>1-</mark> 1W	M=Metal Box	2=PM980Fiber	B= Bare fiber	<mark>05=</mark> 0.5m	N=Without Connector	
		Isolation	<mark>05=</mark> 5%	<i>Blank</i> for	<i>Blank</i> for	<mark>S=</mark> Corr. SM Fiber	<mark>5</mark> = 5W	<mark>5</mark> - 5W	H=H Box	E=PM1060L Fiber	L= Loose Tube	<mark>10</mark> =1.0m	FC/APC=FC/APC Connector	
		<i>Blank</i> for	<mark>50=</mark> 50%	Forward	Standard	5=50/125um Fiber	<mark>10-</mark> 10W	<mark>10</mark> -10W	<i>Blank</i> for SST	<b>Q=</b> 20/130 PMDC Fiber	<mark>2=</mark> 2mm Cable	<mark>15</mark> =1.5m	LC/PC=LC/PC Connector	
		Standard	<mark>90</mark> -90%			<i>Blank</i> for D Type	<mark>20</mark> -20W	<i>Blank</i> for 300m	W	R=25/250 PMDC Fiber	<mark>3=</mark> 3mm Cable	<mark>20</mark> =2.0m	SC/UPC=SC/UPC Connector	







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