

1036nm High Power BP/Partial Mirror Hybrid

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	Value
Center Wavelength		nm	1036
Min. Bandwidth@0.5dB		nm	2.0, 12
Excess Loss		dB	≤1.3
Stop wavelength (ASE)	2nm Bandwidth	nm	960~1031&1039~1120
	12nm Bandwidth	nm	960~1021&1051~1120
Stop Wavelength (ASE) Isolation	Standard	dB	≥25
	High Isolation	dB	≥45
Reflective Ratio		%	1±0.6, 2±0.8, 5±1, 10, 20, 30, 40, 50, 80, 90
BP Position	Forward	-	Bandpass is before the Mirror
	Backward	-	Bandpass is after the Mirror
Configuration		-	D: 2-port, Y: 3-port, (Forward/Backward ASE Guide Out)
Optical Return Loss		dB	≥45
PDL		dB	≤0.15
Fiber Type	Input&Output	-	HI1060 Fiber or 10/125um SC Fiber (E) 10/125um DC Fiber (O), 15/130um DC Fiber (W) 20/130um DC Fiber (Q) or 25/250um DC Fiber (R)
	ASE Guide Out (Y Type)	-	Same 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		°C	0~50
Storage Temperature		°C	-40~85
Package Dimension	Stainless Steel Tube (SST)	mm	∅5.5x ^L 35 (≤5W); ∅6.0x ^L 50 (5~10W)
	Metal Box	mm	H: ^L 90x ^W 18x ^H 10 (>10W);M: ^L 120x ^W 12x ^H 10 (≤10W)

- Note:**
- Specifications are for device without connectors; Specifications may change without notice.
 - To add connectors, IL is 0.5dB higher, RL is 5dB lower.
 - Suggest to use Y type if blocked optical power is >1W.
 - Only guarantee 1W continuous wave (CW) power thru testing for connectors added.
 - 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)

FHBR-NNNN		-NN	(C)	NN	(C)	- (C)	-HP	NN	- (NN)	-(C)	(C)	C	NN	-CC/CCC
Center Wavelength	Bandwidth	ASE Iso	Ref. Ratio	BP Position	3rd Port Fiber	Optical Power	ASE Power	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type		
1036	1036nm	20=2nm	I=High	01=1%	B=Backward	Y=Same Fiber	1=1W	1=1W	M=Metal Box	E=10/125 SC Fiber	B= Bare fiber	05=0.5m	N=Without Connector	
		120=12nm	Isolation	05=5%	Blank for	5=50/125um Fiber	5=5W	5=5W	H=H Box	Q=20/130 DC Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector	
		Blank for	50=50%	Forward	Blank for D Type	10=10W	10=10W	Blank for SST	R=25/250 DC Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector		
		Standard	90=90%			20=20W	Blank for 300mW		Blank for HI1060 Fiber	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector		

