1555nm 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	Value
Center Wavelength		nm	1555
Min. Bandwidth@0.5dB		nm	3.0, 5.0, 15, 20
Excess Loss		dB	≤1.3
Stop Band @25dB	3nm Bandwidth	nm	1500~1551.5 & 1558.5~1610
	5nm Bandwidth		1500~1550 & 1560~1610
	15nm Bandwidth		1500~1542 & 1568~1610
	20nm Bandwidth		1500~1540 & 1570~1610
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 3rd Port (Only for Y Type)		-	Same Fiber or 50/125um MM Fiber
Optical Return Loss		dB	≥45
PDL		dB	≤0.15
Fiber Type		-	SMF-28 Fiber or 10/130um DC Fiber (O)
			12/130um DC Fiber (T) or 20/130um DC Fiber (Q)
			25/250um DC Fiber (R) or 25/300um DC Fiber (G)
Fiber Tensile Load		N	5
Max. Optical Power (CW)		mW	300
Operating Temperature		°C	0~70
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.

3. 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)

FHBR-NNNN - NN NN - (C) - (C) (C) C NN -CC/CCC

Center Wavelength	Bandwidth	Ref. Ratio	3rd Port Fiber	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
1555=1555nm	30=3nm	01=1%	Y=Same Fiber	M=Metal Box	O=10/130 DC Fiber	B=Bare fiber	05=0.5m	N=Without Connector
	50=5nm	05=5%	5=50/125um Fiber	Blank for SST	T=12/130 DC Fiber	L=Loose Tube	10=1.0m	FC/APC=FC/APC Connector
	100=10nm	50=50%	Blank for D Type		G=25/300 DC Fiber	2=2mm Cable	15=1.5m	LC/PC=LC/PC Connector
	150=15nm	90=90%			Blank for SMF-28 Fiber	3=3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector