

1553nm 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	1553
Min. Bandwidth@0.5dB	nm	5.0
Excess Loss	dB	≤1.3
Stop Band @25dB	nm	1500~1548 & 1558-1610
Reflective Ratio	%	1±0.6, 2±0.8, 5±1, 10, 20, 30, 40, 50, 80, 90
Configuration	D Type	-
	Y Type	-
Fiber Type at 3 rd Port (Only for Y Type)	-	2-port
Optical Return Loss	dB	3-port, (Blocked Wavelength Guide Out)
PDL	dB	Same Fiber or 50/125um MM Fiber
Fiber Type	dB	≥45
Fiber Type	dB	≤0.15
Fiber Type	-	SMF-28 Fiber or 10/130um DC Fiber (O)
Fiber Type	-	12/130um DC Fiber (T) or 20/130um DC Fiber (Q)
Fiber Type	-	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
	Metal Box	mm
		(Ø)5.5x35
		(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	-	(C)	-	(C)	(C)	C	NN	-CC/CCC	
Center Wavelength		Bandwidth		Ref. Ratio		3rd Port Fiber	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
1553=1553nm		50=5nm		01= 1%		Y=Same Fiber	M=Metal Box	O=10/130 DC Fiber	B= Bare fiber	05=0.5m	N=Without Connector
				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
				50=50%		Blank for D Type		G=25/300 DC Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector
				90=90%				Blank for SMF-28 Fiber	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector