

1552nm 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	1552
Min. Bandwidth@0.5dB	nm	3.0
Excess Loss	dB	≤1.3
Stop Band @25dB	nm	1500~1549 & 1555-1610
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																		
1552	=	1552nm		30	=	3nm		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				