



2040nm 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	2040	
Min. Bandwidth@0.5dB	nm	10.0	
Excess Loss	dB	≤1.5	
Stop Band @25dB	nm	1970-2030 & 2050-2100	
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 3 rd 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 SM1950 Fiber (V)	
	-	10/130um DC Fiber (O) or 25/250um DC Fiber (R)	
Fiber Tensile Load	N	5	
Max. Optical Power (CW)	mW	300	
Operating Temperature	°C	0~50	
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	- NNN	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				
2040	2040nm	100	10nm	01	1%	Y=Same Fiber	M=Metal Box	V=SM1950 Fiber	B= Bare fiber	05	0.5m	N=Without Connector
		05	5%	5	50/125um Fiber	Blank for SST	O=10/130 DC Fiber	L= Loose Tube	10	1.0m	FC/APC=FC/APC Connector	
		50	50%	Blank	for D Type	R=25/250 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		