



1970nm 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	1970
Min. Bandwidth@0.5dB	nm	6.0
Excess Loss	dB	≤1.5
Stop Band @25dB	nm	1900-1960 & 1980-2050
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	-	NN	-	NN	-	(C)	-	(C)	(C)	C	NN	-	CC/CCC
<i>Center Wavelength</i>		<i>Bandwidth</i>		<i>Ref. Ratio</i>		<i>3rd Port Fiber</i>		<i>Package</i>	<i>Fiber Type</i>	<i>Fiber Sleeve</i>	<i>Fiber Length</i>		<i>Connector Type</i>
1970 =1970nm		60=6nm		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