

## 2090nm High Power BP Filter/Tap 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	2090
Min. Pass Band Width @ 0.5dB	nm	20.0
Excess Loss	dB	≤2.2
Stop Band @25dB	nm	2030-2070 & 2110-2150
Tap Ratio	%	1+/-0.6%, 2+/-0.8%, 5+/-1.0%, 10%, 20%, 30%, 50%
Tap Position	F Type (Forward)	-
Optical Return Loss	dB	≥50
PDL	dB	≤0.25
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)	W	1, 2, 3, 5, 10
Operating Temperature	°C	0~50
Storage Temperature	°C	-40~85
Package	Stainless Steel Tube (SST)	mm
Dimension	Metal Box	mm
		(Ø)5.5x40 (≤5W); (Ø)6.0x48 (5~8W) (L)90x(W)18x(H)10 (>8W); (L)120x(W)12x(H)10 (≤8W)

- 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. Only guarantee 1W continuous wave (CW) power thru testing for connectors added.
  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)

FHBT-2090-NNN	NN	C	-HP NN	-(C)	(C)	C	NN	-CC/CCC
Bandwidth	Tap Ratio	Tap Port Fiber	Optical Power	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
200=20nm	01= 1%	Y=Same Fiber	1= 1W	M=Metal Box	V=SM1950 Fiber	B= Bare fiber	05=0.5m	N=Without Connector
	05=5%	5=50/125um Fiber	2=2W	Blank for SST	O=10/130 DC Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
	10=10%		5= 5W	or >8W	R=25/250 DC Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector
	50=50%		10=10W		Blank for SMF-28 Fiber	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector