

1554nm BP Filter/Tap Hybrid for Pulse Power

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	1554
Min. Pass Band Width @ 0.5dB	nm	6.0
Excess Loss	dB	≤1.6
Stop Band @25dB	nm	1500~1548 & 1560-1610
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	≤0.15
Fiber Type	-	SMF-28 Fiber or 10/130um DC Fiber (O) 12/130um DC Fiber (T) or 20/130um DC Fiber (Q) 25/250um DC Fiber (R) or 25/300um DC Fiber (G)
Fiber Tensile Load	N	5
Max. Average Optical Power	W	0.3, 0.5, 1, 2, 3, 5, 10, 15, 20
Max. Peak Power for pulse	kW	0.1, 1, 2, 3, 5, 10, 15, 20
Operating Temperature	°C	0~70
Storage Temperature	°C	-40~85
Package	Stainless Steel Tube (SST)	mm
Dimension	Metal Box	mm

- Note:**
- Specifications are for device without connectors; Specifications may change without notice.
 - To add connectors, IL is 0.3dB higher, RL is 5dB lower.
 - Only guarantee 1W continuous wave (CW) power thru testing for connectors added.
 - 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-1554-NN	NN	C	-H NN	P NN	-(C)	(C)	C	NN	- CC/CCC
Bandwidth	Tap Ratio	Tap Port Fiber	Average Power	Peak Power	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
60-6nm	01-1%	Y=Same Fiber	03-300mW	01-100W	M=Metal Box	O=10/130 DC Fiber	B= Bare fiber	05-0.5m	N=Without Connector
	05-5%	5=50/125um Fiber	1-1W	1-1kW	Blank for SST	T=12/130 DC Fiber	L= Loose Tube	10-1.0m	FC/APC=FC/APC Connector
	10-10%		5-5W	5-5kW	or >10W	G=25/300 DC Fiber	2= 2mm Cable	15-1.5m	LC/PC=LC/PC Connector
	50-50%		10-10W	10-10kW		Blank for SMF-28 Fiber	3= 3mm Cable	20-2.0m	SC/UPC=SC/UPC Connector