915/1080nm WDM/Isolator/Tap Hybrid

FEATURES

- Low Insertion Loss
- Epoxy-Free Optical Path
- High Reliability and Stability

APPLICATIONS

- Broadband Systems
- Optical Amplifying Systems
- Telecommunication Networks

SPECIFICATIONS

Parameters		Unit	Single Stage	Dual Stage
Signal Wavelength Range λ1		nm	1080+/-10	
Pump Wavelength Range λ2		nm	915+/-10	
Excess Loss@23°C	Signal Channel@λ1	dB	≤2.7	≤4.2
Insertion Loss@23°C	Pump Channel@λ2	dB	≤1.0	
Signal Tap Ratio		%	1+/-0.5%, 2+/-0.7%, 5+/-1.0%, 10%, 20%, 30%, 50%	
Signal Isolation (23°C,	All SOP)	dB	≥22	≥40
Wavelength Isolation	Signal Channel@λ2	dB	≥25	
	Pump Channel@λ1	dB	≥12	
Optical Return Loss		dB	≥45	
PDL		dB	≤0.3	
Pump Direction		-	Forward Pump	
Fiber Type	Common, Signal & Tap Port	-	HI780 Fiber, HI1060 Fiber or 10/125um SC Fiber (E)	
			10/125um DC Fiber (O) or 15/130um DC Fiber (W)	
			20/130um DC Fiber (Q) or 25/250um DC Fiber (R)	
	Pump Port	-	Same Fiber, HI780 Fiber or HI1060 Fiber	
Fiber Tensile Load		N	5	
Max. Signal Optical Power (CW)		mW	300	
Max. Pump Optical Power (CW)		W	0.3, 0.5, 1, 2, 3, 5, 10	
Operating Temperature		°C	0~50	
Storage Temperature		°C	-40~85	
Package Dimension	Stainless Steel Tube (SST)	mm	(Ø)5.5x40	
	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 0.7dB 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)

FHWT-9108-C NN (C) - (NN) - (C) (C) C NN -CC/CCC

Stage	Tap Ratio	Pump Fiber	Pump Power	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
S= Single	01= 1%	H= HI780 Fiber	05=500mW	M=Metal Box	H=HI1060 Fiber	B= Bare fiber	05=0.5m	N=Without Connector
D=Dual	05=5%	*Blank* for Same Fiber	1=W	*Blank* for SST	E=10/125 SC Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
	10=10%		10=W		R=25/250 DC Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector
	50=50%		*Blank* for 300mW		*Blank* for HI780 Fiber	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector