

980/1020-1120nm High Power WDM/Isolator/Tap Hybrid

FEATURES

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

APPLICATIONS

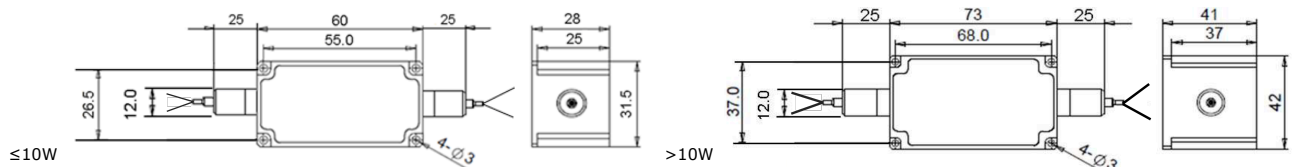
- Broadband Systems
- Optical Amplifying Systems
- Telecommunication Networks

SPECIFICATIONS

Parameters	Unit	Value	
Signal Wavelength Range λ_1	nm	1020 \pm 5, 1030 \pm 10, 1040 \pm 10, 1053 \pm 10, 1064 \pm 10, 1080 \pm 10, 1092 \pm 10, 1120 \pm 10	
Pump Wavelength Range λ_2	nm	980 \pm 10	
Excess Loss@23°C	Signal Channel@ λ_1	dB	\leq 2.0
Insertion Loss@23°C	Pump Channel@ λ_2	dB	\leq 0.8
Signal Tap Ratio		%	1 \pm 0.5%, 2 \pm 0.7%, 5 \pm 1.0%, 10%, 20%, 30%, 50%
Signal Isolation (23°C, All SOP)		dB	\geq 20
Wavelength Isolation	Signal Channel@ λ_2	dB	\geq 25
	Pump Channel@ λ_1	dB	\geq 12
Optical Return Loss		dB	\geq 45
PDL		dB	\leq 0.2
Pump Direction	-		Forward Pump
Fiber Type			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)
Fiber Tensile Load	N		5
Max. Optical Power (CW)	W		0.5, 1, 2, 3, 5, 10, 15, 20
Operating Temperature	°C		0~50
Storage Temperature	°C		-40~85

- Note:**
- Specifications are for device without connectors; Specifications may change without notice.
 - To add connectors, IL is 0.5dB 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.

PACKAGE DIMENSION



ORDERING INFORMATION (PN)

FHWT-98 NN	- NN	- HP NN	- (C)	C	NN	- CC/CCC
Wavelength	Tap Ratio	Optical Power	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
06-1064nm	01-1%	05-500mW	H-HI1060 Fiber	B- Bare fiber	05-0.5m	N-Without Connector
03-1030nm	05-5%	1- 1W	E-10/125 SC Fiber	L- Loose Tube	10-1.0m	FC/APC=FC/APC Connector
08-1080nm	10-10%	10- 5W	R-25/250 DC Fiber	2- 2mm Cable	15-1.5m	LC/PC=LC/PC Connector
12-1120nm	50-50%	20-10W	Blank for HI780 Fiber	3- 3mm Cable	20-2.0m	SC/UPC=SC/UPC Connector