

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

FEATURES

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

APPLICATIONS

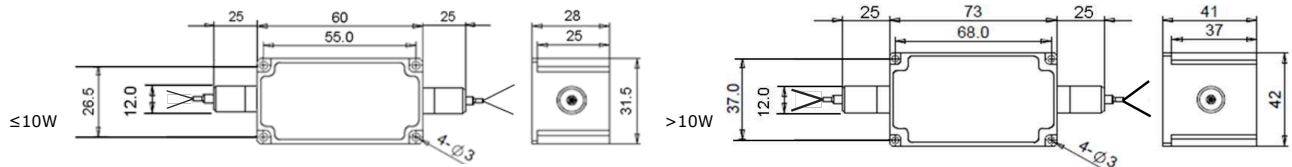
- Broadband Systems
- Optical Amplifying Systems
- Telecommunication Networks

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. Average Optical Power	W		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		0~50
Storage Temperature	°C		-40~85

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

PACKAGE DIMENSION



ORDERING INFORMATION (PN)

FHWT-98NN	-	NN	-H	NN	P	NN	- (C)	C	NN	-CC/CCC
Wavelength	Tap Ratio	Average Power	Peak Power	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type			
06-1064nm	01-1%	05-500mW	01-100W	E=10/125 SC Fiber	B= Bare fiber	05=0.5m	N=Without Connector			
03-1030nm	05-5%	1= 1W	1= 1kW	Q=20/130 DC Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector			
08-1080nm	10-10%	10= 5W	5= 5kW	R=25/250 DC Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector			
12-1120nm	50-50%	20=10W	10=10kW	Blank for HI1060 Fiber	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector			