

915/1064nm Mini WDM/Isolator/Tap Hybrid for Pulse Power

FEATURES

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

APPLICATIONS

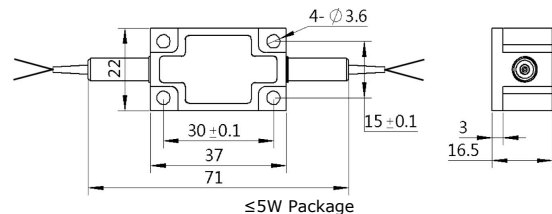
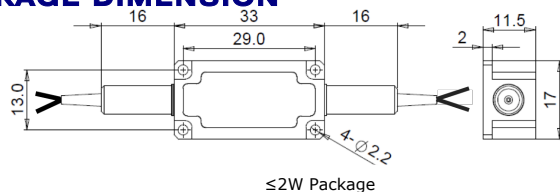
- Broadband Systems
- Optical Amplifying Systems
- Telecommunication Networks

SPECIFICATIONS

Parameters	Unit	Value		
Signal Wavelength Range λ_1	nm	1064+/-10		
Pump Wavelength Range λ_2	nm	915+/-10		
Excess Loss@23°C	Signal Channel@ λ_1	dB	≤ 3.3	≤ 3.8
Insertion Loss@23°C	Pump Channel@ λ_2	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	
Wavelength Isolation	Signal Channel@ λ_2	dB	≥ 25	
	Pump Channel@ λ_1	dB	≥ 12	
Optical Return Loss		dB	≥ 45	
PDL		dB	≤ 0.2	
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 Average Power		W	0.5, 1	2, 3, 4, 5
Max. Pump Average Power		W	0.3, 0.5, 1, 2, 3, 5, 10	
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:**
- Specifications are for device without connectors; Specifications may change without notice.
 - To add connectors, IL is 0.7dB 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-91NN -M NN		(C)	-H NN	P NN	-(NN)	-(C)	C	NN	-CC/CCC
Wavelength	Tap Ratio	Pump Fiber	Average Power	Peak Power	Pump Power	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
06=1064nm	01= 1%	H= HI780 Fiber	05=500mW	01=100W	05=500mW	H=HI1060 Fiber	B= Bare fiber	05=0.5m	N=Without Connector
	05=5%	Blank for Same Fiber	1= 1W	1= 1kW	1=W	E=10/125 SC Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
	10=10%		2= 2W	5= 5kW	10=W	R=25/250 DC Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector
	50=50%		5=5W	10=10kW	Blank for 300mW	Blank for HI780 Fiber	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector

