

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

### FEATURES

- Epoxy-Free Optical Path
- High Reliability and Stability

### APPLICATIONS

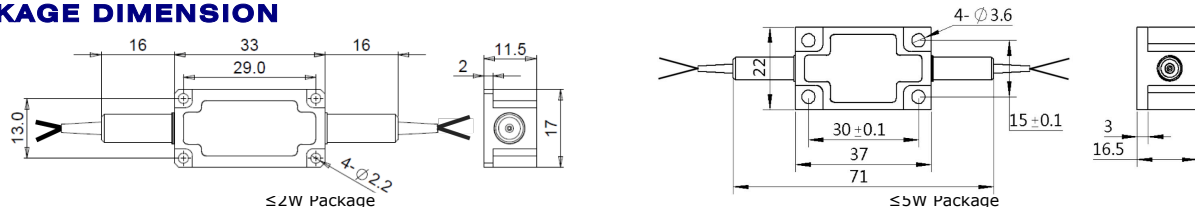
- Broadband Systems
- Optical Amplifying Systems

### SPECIFICATIONS

Parameters	Unit	Value	
Signal Wavelength Range $\lambda_1$	nm	1064+/-10	
Pump Wavelength Range $\lambda_2$	nm	915+/-10	
Excess Loss@23°C	Signal Channel@ $\lambda_1$	dB	$\leq 3.3$
	Pump Channel@ $\lambda_2$	dB	$\leq 3.8$
Insertion Loss@23°C		dB	$\leq 1.0$
Signal Tap Ratio		%	1+/-0.5%, 2+/-0.7%, 5+/-1.0%, 10%, 20%, 30%, 50%
Signal Isolation (23°C, All SOP)		dB	$\geq 22$
Wavelength Isolation	Signal Channel@ $\lambda_2$	dB	$\geq 25$
	Pump Channel@ $\lambda_1$	dB	$\geq 12$
Optical Return Loss		dB	$\geq 45$
Extinction Ratio		dB	$\geq 18$
Pump Direction	S Type	-	Forward Pump, Only Slow Axis Working
	F Type	-	Forward Pump, Both Axis Working
	B Type	-	Backward Pump, Only Slow Axis Working
Fiber Type	Common and Signal Port	-	PM850 Fiber, PM980 Fiber or PM1060L Fiber (E)
		-	10/125um PMDC Fiber (O) or 15/130um PMDC Fiber (W)
	Pump Port	-	20/130um PMDC Fiber (Q) or 25/250um PMDC Fiber (R)
	Tap Port	-	Same Fiber, Corr. SM Fiber, PM850 Fiber, HI780 Fiber, PM980 Fiber (M) or HI1060 Fiber (X)
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:**
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, ER is 2dB Lower, Connector key is aligned to slow axis.
  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)

FPHT-91NN -M C NN C C -H NN P NN - (NN) - C C NN -CC/CCC

Wavelength	Pump Type	Tap Ratio	Pump Fiber	Tap Port Fiber	Average Power	Peak Power	Pump Power	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
06=1064nm	S= S Type	01= 1%	P=PM850 Fiber	P=Same Fiber	05=500mW	01=100W	05=500mW	2=PM850Fiber	B= Bare fiber	05=0.5m	N=Without Connector
	F= F Type	05=5%	Y=Same Fiber	S=Corr. SM Fiber	1= 1W	1= 1kW	1=W	H=PM980 Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
	B= B Type	10=10%	S=Corr. SM Fiber		2= 2W	5= 5kW	10=W	E=PM1060L Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector
		50=50%	H=HI780 Fiber		5=5W	10=10kW	Blank for 300mW	R=25/250 PMDC Fiber	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector

