

## 980/1064nm Mini WDM/Isolator/Tap PM Hybrid for Pulse Power

### FEATURES

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

### APPLICATIONS

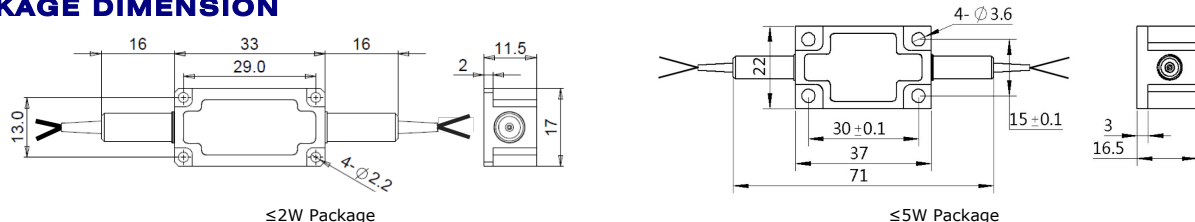
- Broadband Systems
- Optical Amplifying Systems
- Telecommunication Networks

### SPECIFICATIONS

Parameters	Unit	Value	
Signal Wavelength Range $\lambda_1$	nm	1064+/-10	
Pump Wavelength Range $\lambda_2$	nm	980+/-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	$\leq 0.8$
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	$\geq 45$
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 & Signal	-	PM980 Fiber, PM1060L Fiber (E) or PM1060L-FA Fiber (L)
		-	10/125um PMDC Fiber (O) or 15/130um PMDC Fiber (W)
		-	20/130um PMDC Fiber (Q) or 25/250um PMDC Fiber (R)
	Pump Port	-	Same Fiber, Corr. SM Fiber, PM980 Fiber or HI1060 Fiber
	Tap Port	-	Same Fiber or Corr. SM Fiber
Fiber Tensile Load	N	5	
Max. Average Optical Power	W	0.5, 1	2, 3, 4, 5
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 0.5dB higher, RL is 5dB lower, ER is 2dB Lower, Connector key is aligned to slow axis.
  - 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)

FPHT-98**NN-MC** **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%	Y=Same Fiber	P=Same Fiber	05=500mW	01=100W	05=500mW	2-PM980Fiber	B= Bare fiber	05=0.5m	N=Without Connector
	F= F Type	05=5%	P=PM980 Fiber	S=Corr. SM Fiber	1= 1W	1= 1kW	1=W	E=PM1060L Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
	B= B Type	10=10%	H=HI1060 Fiber		2= 2W	5= 5kW	10=W	Q=20/130 PMDC Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector
			50=50%	S=Corr. SM Fiber		5=5W	10=10kW	Blank for 300mW	R=25/250 PMDC Fiber	3= 3mm Cable	20=2.0m