980/1064nm Mini-Size PM WDM/Isolator Hybrid for Pulse Power

FEATURES

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

APPLICATIONS

- Broadband Systems
- Optical Amplifying Systems
- Telecommunication Networks
- CATV Networks

SPECIFICATIONS

Parameters		Unit	Value	
Signal Wavelength Range λ1		nm	1064+/-10	
Pump Wavelength Range λ2		nm	980+/-10	
Insertion Loss@23°C	Signal Channel@λ1	dB	≤2.9	≤3.4
	Pump Channel@λ2	dB	≤0.8	
Signal Isolation (23°C,	All SOP)	dB	≥22	
Wavelength Isolation	Signal Channel@λ2	dB	≥25	
	Pump Channel@λ1	dB	≥12	
Optical Return Loss		dB	≥45	
Extinction Ratio		dB	≥18	
Working Mode	S Type	-	Can only work in Slow Axis	
	F Type	-	Can work both in Slow Axis and Fast Axis	
Fiber Type	Common and Signal Port	-	PM980 Fiber, PM1060L Fiber (E) or PM1060L-FA Fiber (L)	
			10/125um PMDC Fiber (O), 15/130um PMDC Fiber (W)	
			20/130um PMDC Fiber (Q) or 25/250um PMDC Fiber (R)	
	Pump Port (980nm)	-	Same Fiber, Corr. SM Fiber, PM980 Fiber or HI1060 Fiber	
Fiber Tensile Load		N	5	
Max. Signal Average Optical Power		W	0.5, 1	2, 3, 4, 5
Max. Pump Average Optical 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	

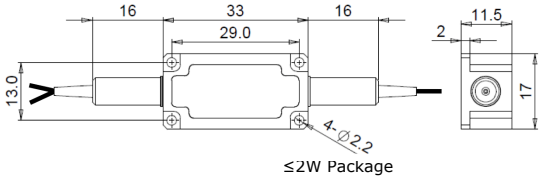
Note: 1. Specifications are for device without connectors; Specifications may change without notice.

2. To add connectors, IL is 0.5dB higher, RL is 5dB lower, ER is 2dB Lower, Connector key is aligned to slow axis.

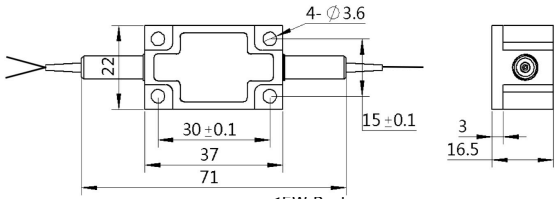
3. Only guarantee 1W continuous wave (CW) power thru testing for connectors added.

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



≤2W Package



≤5W Package

ORDERING INFORMATION (PN)

FPHW-9806 -MC C C -H NN P NN -(NN) -C C NN -CC/CCC

Pump Type	Work Mode	Pump Fiber	Average Power	Peak Power	Pump Power	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
F= Forward	S= S Type	Y=Same Fiber	05=500mW	01=100W	05=500mW	2=PM980Fiber	B= Bare fiber	05=0.5m	N=Without Connector
B=Backward	F= F Type	P=PM980 Fiber	1= 1W	1= 1kW	1=W	E=PM1060L Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
		H=HI1060 Fiber	2= 2W	10= 10kW	10=W	Q=20/130 PMDC Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector
		S=Corr. SM Fiber	5=5W	20=20kW	Blank for 300mW	R=25/250 PMDC Fiber	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector

RoHS Compliant