

## 915/1064nm Mini-Size WDM/Isolator Hybrid

### FEATURES

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

### APPLICATIONS

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

### SPECIFICATIONS

Parameters	Unit	Value	
Signal Wavelength Range $\lambda_1$	nm	1064+/-10	
Pump Wavelength Range $\lambda_2$	nm	915+/-10	
Insertion Loss@23°C	Signal Channel@ $\lambda_1$	dB	$\leq 2.9$
	Pump Channel@ $\lambda_2$	dB	$\leq 1.0$
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	$\geq 45$	
Polarization Dependent Loss	dB	$\leq 0.20$	
Fiber Type	Common & Signal 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 Optical Power (CW)	W	0.5, 1	2, 3, 4, 5
Max. Pump Optical Power (CW)	W	0.3, 0.5, 1, 2, 3, 5, 10	
Operating Temperature	°C	0~50	
Storage Temperature	°C	-40~85	

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

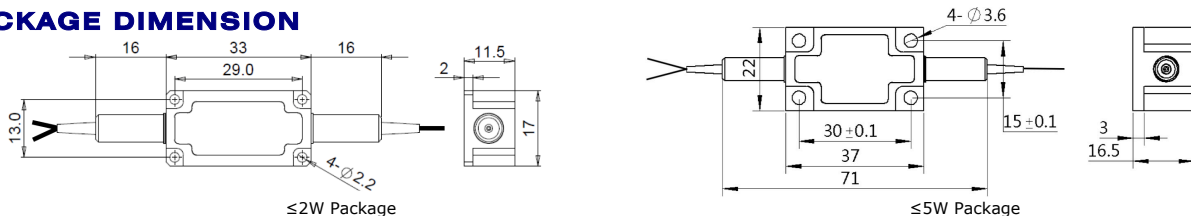
2. SOP= State of Polarization.

3. To add connectors, IL is 0.7dB higher, RL is 5dB lower.

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

5. 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)

FHWM-9106-MC	(C)	-HP NN	-(NN)	-(C)	C	NN	-CC/CCC
Pump Type	Pump Fiber	Optical Power	Pump Power	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
F= Forward	H= HI780 Fiber	05=500mW	05=500mW	H=HI1060 Fiber	B= Bare fiber	05=0.5m	N=Without Connector
B=Backward	Blank for Same Fiber	1= 1W	1=W	E=10/125 SC Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
		2= 2W	10=W	R=25/250 DC Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector
		5=5W	Blank for 300mW	Blank for HI780 Fiber	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector