

## 980/1064nm Mini-Size WDM/Isolator Hybrid

### FEATURES

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

### APPLICATIONS

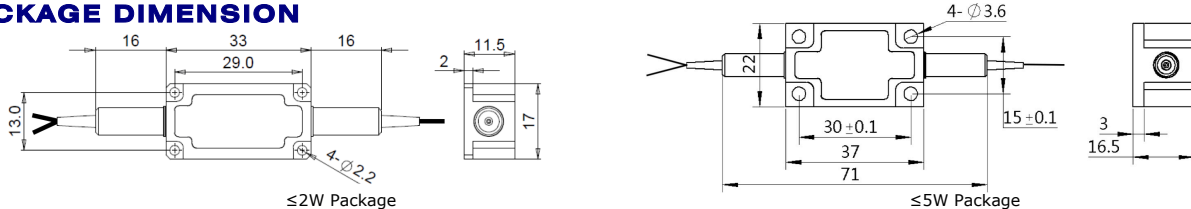
- Broadband Systems
- Optical Amplifying Systems
- Telecommunication Networks
- Metro Networks
- CATV Networks

### SPECIFICATIONS

Parameters	Unit	Value	
Signal Wavelength Range $\lambda_1$	nm	1064+/-10	
Pump Wavelength Range $\lambda_2$	nm	980+/-10	
Insertion Loss@23°C	Signal Channel@ $\lambda_1$	dB	$\leq 2.9$
	Pump Channel@ $\lambda_2$	dB	$\leq 0.8$
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	-	HI1060 Fiber or 10/125um SC Fiber (E) 10/125um DC Fiber (O), 15/130um DC Fiber (W) 20/130um DC Fiber (Q) or 25/250um DC Fiber (R)	
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 0.5dB 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-NNNN	-M	C	-HP NN	- (NN)	- (C)	C	NN	- CC/CCC
Wavelength	Pump Type		Optical Power	Pump Power	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
9806= 980/1064nm	F= Forward B=Backward		05=500mW 1= 1W 2= 2W 5=5W	05=500mW 1=W 10=W Blank for 300mW	E=10/125 SC Fiber Q=20/130 DC Fiber R=25/250 DC Fiber Blank for HI1060 Fiber	B= Bare fiber L= Loose Tube 2= 2mm Cable 3= 3mm Cable	05=0.5m 10=1.0m 15=1.5m 20=2.0m	N=Without Connector FC/APC=FC/APC Connector LC/PC=LC/PC Connector SC/UPC=SC/UPC Connector