

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

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 λ_1	nm	1064+/-10	
Pump Wavelength Range λ_2	nm	980+/-10	
Insertion Loss@23°C	Signal Channel@ λ_1	dB	≤ 2.9
	Pump Channel@ λ_2	dB	≤ 0.8
Signal Isolation (23°C, All SOP)	dB	≥ 22	
Wavelength Isolation	Signal Channel@ λ_2	dB	≥ 25
	Pump Channel@ λ_1	dB	≥ 12
Optical Return Loss	dB	≥ 45	
Polarization Dependent Loss	dB	≤ 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 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.

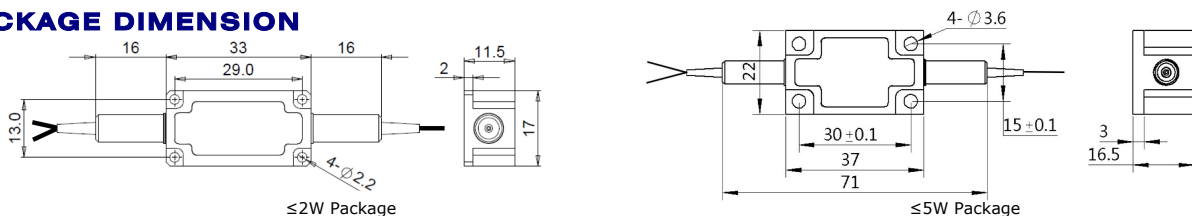
2. SOP= State of Polarization.

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	-H	NN	P	NN	- (NN)	- (C)	C	NN	- CC/CCC
Wavelength	Pump Type	Average Power	Peak 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	01=100W 1= 1kW 5= 5kW 10=10kW	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				