HuiGoo Optic Co.,Limited

Polarization Maintaining Isolator

1. Description:

The PMISO is a micro-optic device built with an input and an output PM fiber.It is characterized with low insertion loss,high extinction ratio,high isolator,high return loss and excellent envionment stability and reliability. It is widely used in EDFA, Raman amplifer,fiber lasers,optical fiber sensors and instrumentation.

2. Features:

- High Isolation
- Low insertion loss
- High Return Loss
- High Extinction Ratio
- Excellent Envionment Stability and Reliability.

3. Applications:

- Fiber Laser
- Fiber Sensor
- EDFA
- Instrumentation
- Optical Amplifier

4. Specifications:

Parameter	PMISO			
	Single stage	Dual Stage	Single stage	Dual Stage
Center Wavelength(nm)	1064		1310,1480,1550	
Operating Wavelength Accuracy(nm)	±5		±15	
Isolation(dB)	≧30	≧45	≧30	≧45
Insertion Loss(dB)	≦2.0	≦3.0	≦0.6	≦0.8
Extinction Ratio(dB)	≧20/23		≧20/23	
Reture Loss(dB)	≧50		≧50	
Hanging Power(mW)	≦300		≦500	
Operating Temperature(℃)	-5∽+50		-5∽+70	
Storage Temperature(℃)	-40∽+85			
Fiber Type	PM Fiber or Specify			
Package Dimensions(mm)	Φ5.5×L35			

5. Order Information

Stage	Operating Wavelength	Fiber Type	Fiber length	Connector
S=SingleStage D=Dual Stage	1310,1550etc	1=250um 2=900um 3=3mm 4=others	0=250um 1=900um	0=Oone 1=FC/APC 2=FC/PC 3=SC/APC 4=SC/PC 5=ST 6=LC