

1060nm Broadband High Power PM Isolator Datasheet

AN IDEAL OPTICAL DEVICE FOR OPTICAL FIBER AMPLIFIER/FIBER OPTIC SENSOR/INSTRUMENTATION



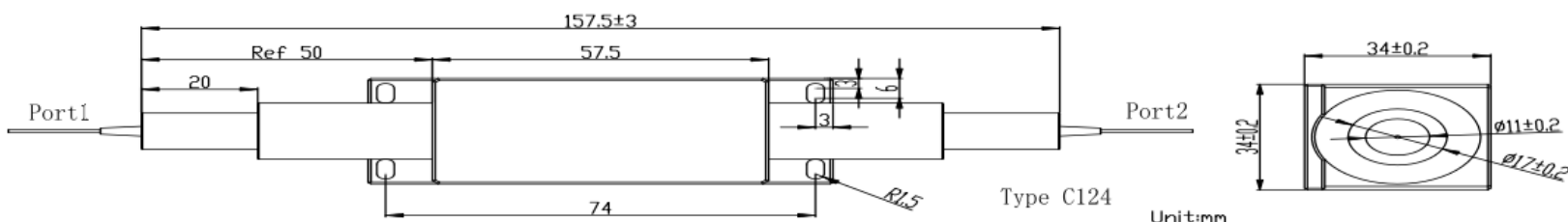
• Description

The 1060nm Polarization Maintaining Isolator is a two port micro-optic device built with PM panda fiber. The PM isolator features low insertion loss, high isolation, high extinction ratio and high reliability and stability. The device guides optical light in one direction and eliminates back reflection and back scattering in the reverse direction. The device can be built with bare fiber, or 900um jacket cable.

• Features

- Low insertion loss
- High Power Handling
- High Isolation
- Low PDL
- Low cost
- Widely used in Optical fiber Amplifier/Fiber Optic Sensor/Instrumentation.

• Drawing view(unit: mm):



Specifications:

Parameter	Values	
Center wavelength(nm)	1060	
Operating Wavelength Range(nm)	± 30	
Typ. Isolation(dB)	30~35	
Min. Isolation@23°C(dB)	26	
Typ. Insertion loss@23°C, λ_c (dB)	1.0	
Max. Insertion loss@23°C (dB)	1.3	
Min. Return loss(Input1/Input2)(dB)	50/50	
Min. Extinction Ratio@ λ_c	20(only for B type)	22(only for F Type)
Max. Optical Power(W)	1,5,10,20 or specify	
Max. Tnesile Load(N)	5	
Fiber Type	PM 980 Panda Fiber or PM LMAFiber	
Operating Temperature(°C)	-5~+50	
Storage Temperature(°C)	-40~+85	

- For pulse applications, pls discuss with Technology.
- For devices with connectors, IL will be 0.3dB higher, RL will be 5dB lower, ER will be 2dB lower, and handling power will be 1W.
- The actual package dimensions may be slightly different from that shown in below drawing, for accurate dimensions please contact OPTICO Sales Team.

Ordering Information :

OPMBI-①①-②-③③-④-⑤⑤-⑥⑥-⑦

①①: Wavelength

06 - 1060nm

SS - Specify

④: AxisAlignment

F - Fast AxisBlocked

B - BothAxisWorking

⑦: FiberLength

1 - 1.0m

S - Specify

②: Package Type

C124 - TypeC124

⑤⑤: ConnectorType on Port1 & 2

N - None

S - Specify

③③: HandlingPower

01 - 1W

05 - 5W

10- 10W

20- 20W

S - Specify

⑥⑥: Fiber Jacket on Port1 & 2

B - Bare Fiber

L - 900um Loose Tube

S - Specify