

1064nm Optical Isolator

(PM & Non-PM)

Features

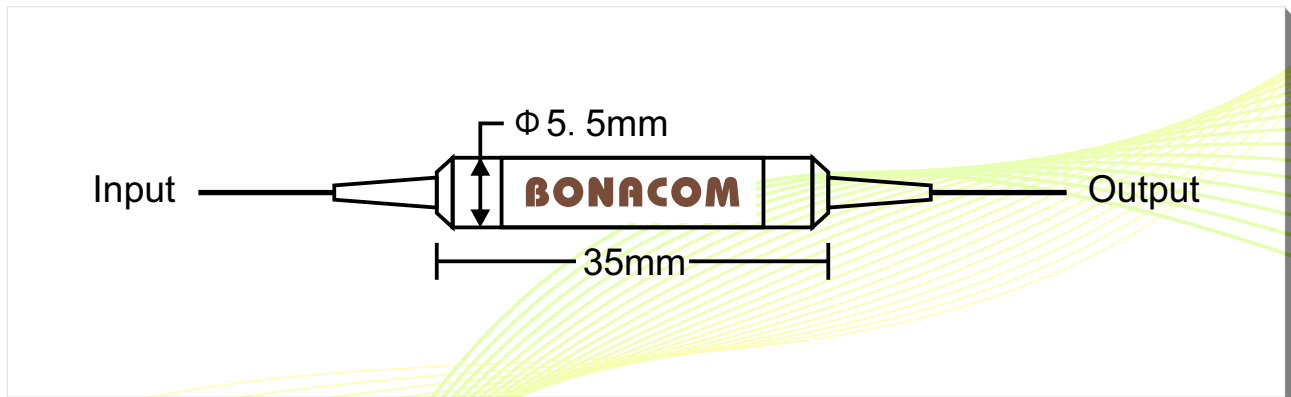
- Low Insertion Loss
- High Return Loss
- High Extinction Ratio
- High Isolation
- High Stability & Reliability

Applications

- Communication Systems
- Test Instruments
- Fiber Sensor
- Research



◆ Package Dimensions



◆ Specifications

Parameter		Unit	Value			
Stage		-	Single		Dual	
Grade		-	P	A	P	A
Center Wavelength		nm	1064			
Operating Wavelength Range		nm	±5			
Typ. Peak Isolation		dB	40	38	55	52
Min. Isolation at 23°C		dB	32	28	45	42
Typ. Insertion Loss at 23°C		dB	1.5	1.6	2.4	2.6
Max. Insertion Loss at 23°C		dB	1.8	2.2	3.2	3.4
Min. Return Loss (input/output)		dB	50/50	50/50	50/50	50/50
Min. Extinction Ratio at 23°C (only for PM)	Both axis working	dB	20	18	20	18
	Fast axis blocked	dB	22	20	22	20
Max. Polarization Dependent Loss at 23°C (only for Polarization insensitive type)		DB	0.15			
Max. Optical Power(CW)		mW	300			
Max. Tensile Load		N	5			
Operating Temperature		°C	-5~+50			
Storage Temperature		°C	-40~+85			

For device with connector, IL is 0.3dB higher, RL is 5dB lower, ER is 2dB lower.

The default connector key is aligned to slow axis.

◆ Ordering Information

PMIS-1111-234-555-678-9A

1111	-Center Wavelength:	1550=1550nm, 1310=1310nm.....
2	-Grade:	P=P grade, A=A grade
3	-Stage:	S=Single-core stage, D=Dual-core stage
4	-Axis Alignment:	F=Slow axis working, Fast axis blocked, B=Both of axis working, N=no axis
555	-Fiber Type:	001=PM1550, 002=PM1310, 003=PM980, 004=Hi1060, 008=SMF-28E
6	-Package Dimension:	0=φ5.5x35mm, S=Specified
7	-Pigtail Type:	0=250μm bare fiber, 1=900μm loose tube
8	-Fiber Length:	0=0.8m, 1=1m
9	-Connector Type for Input:	0=FC/UPC, 1=FC/APC, 2=SC/UPC, 3=SC/APC, 4=LC/UPC, 5=LC/APC
A	-Connector Type for Output:	0=FC/UPC, 1=FC/APC, 2=SC/UPC, 3=SC/APC, 4=LC/UPC, 5=LC/APC