High Power Optical Isolator

1310nm,1550nm

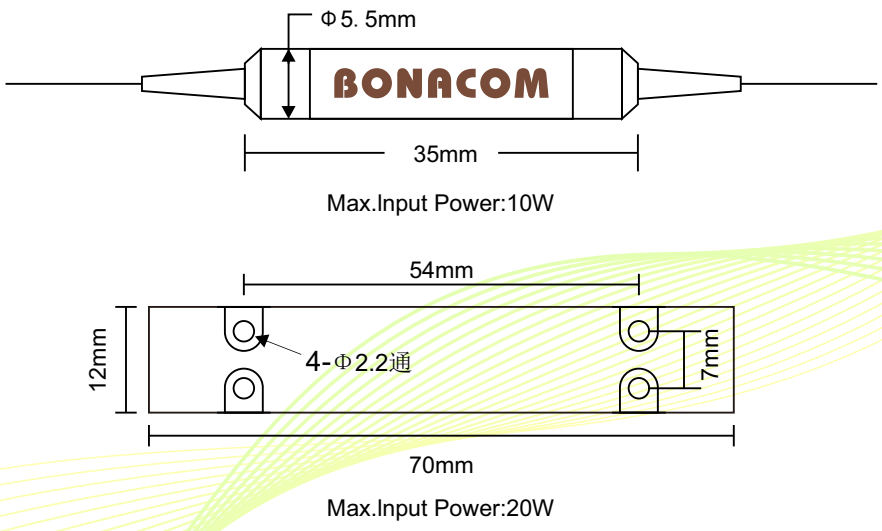
Features

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

Applications

- Communication Systems
- Test Instrument
- Fiber Sensor
- Research

◆ Package Dimensions



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◆ Specifications

Parameter		Unit	Value			
Stage		-	Single		Dual	
Grade		-	P	A	P	A
Center Wavelength		nm	1310 or 1550			
Operating Wavelength Range		nm	±20			
Typ. Peak Isolation at 23℃		dB	42	40	58	55
Min. Isolation at 23℃		dB	28	26	48	45
Typ. Insertion Loss at 23℃		dB	0.4	0.5	0.5	0.6
Max. Insertion Loss at 23℃		dB	0.55	0.65	0.65	0.8
Min. Extinction Ratio at 23℃	Both axis working	dB	20	18	20	18
	Fast axis blocked	dB	25	23	25	23
Max. Polarization Dependent Loss		dB	0.15			
Min. Return Loss (input/output)		dB	50/50			
Max. Tensile Load		N	5			
Operating Temperature		℃	-5~+70			
Storage Temperature		℃	-40~+85			

With connectors, the handling power will be only 1W, IL is 0.3dB higher, RL is 5dB lower, ER is 2dB lower.
The default connector key is aligned to slow axis.

◆ Ordering Information

HPMIS/HPIIS-1111-234-555-678-99-AABB

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=Non-PM
555	-Fiber Type:	001=PM1550, 002=PM1310, 003=PM980, 004=Hi1060, 008=SMF-28E
6	-Package Dimension:	0=φ5.5x35mm, 1=70x12x8mm, S=Specified
7	-Pigtail Type:	0=250μm bare fiber, 1=900μm loose tube
8	-Fiber Length:	0=0.8m,1=1m
99	-Connector for In, Out:	0=FC/UPC,1=FC/APC,2=SC/UPC,3=SC/APC,4=LC/UPC,5=LC/APC, N=None
AA	-Average Power:	10=10W, 20=20W
BB	-Peak Power:	10=10kW, 20=20kW

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