

# Polarization Insensitive Tap Isolator

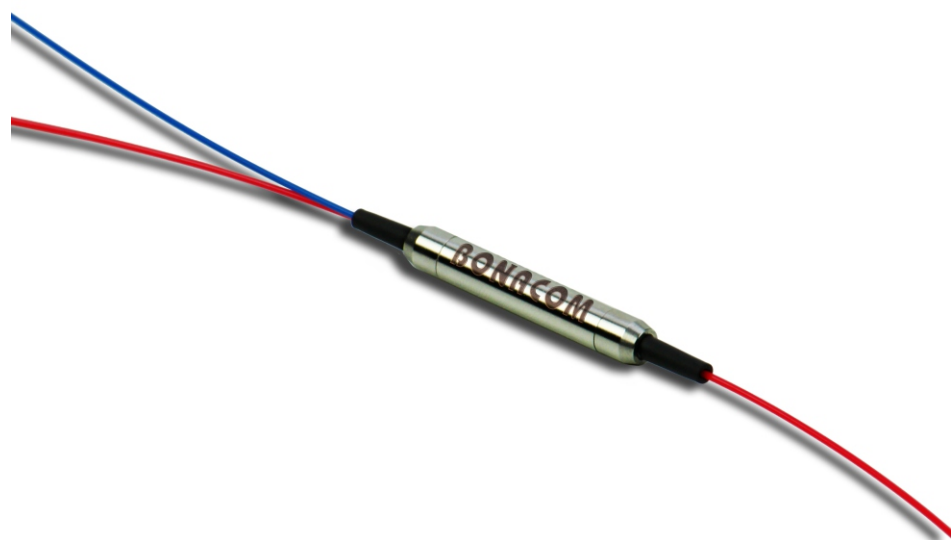
1550nm, 1064nm

## Features

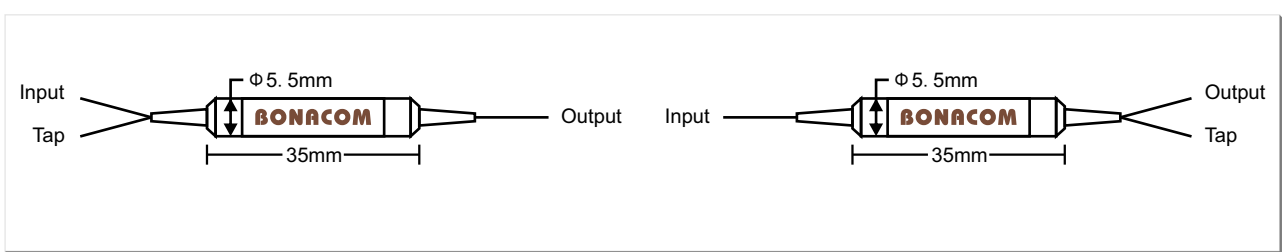
- Low Insertion Loss
- High Return Loss
- High Extinction Ratio
- High Isolation

## Applications

- Compact Fiber Amplifiers
- Compact Fiber Optical System
- Fiber Laser
- Fiber Sensor



## Package Dimensions



Option 1,	Option 2,	Option 3,
Input to Output: Polarization Sensitive Input to Tap: Polarization Insensitive	Input to Output: Polarization Insensitive Input to Tap: Polarization Insensitive	Input to Output: Polarization Sensitive Input to Tap: Polarization Sensitive

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December 2019

Bonacom Technology reserves the right to change any specifications without prior notice.

BN-CG-IS-19-2

## Specifications

Parameter	Unit	Value			
		Single	Dual	Single	Dual
Stage	-	Single	Dual	Single	Dual
Operating Wavelength Range	nm	1550±15		1064±5	
Max. Excess Loss	dB	1.0	1.2	2.2	3.5
Signal Tap Ratio	%	1±0.2%, 5±1%, 50±2%			
Typ. Peak Isolation	dB	40	52	40	52
Min. Isolation at 23°C	dB	28	45	28	45
Min. Extinction Ratio at 23°C	dB	20			
Min. Return Loss	dB	50			
Max. Optical Power(CW)	mW	500			
Max. Tensile Load	N	5			
Operating Temperature	°C	0~+70			
Storage Temperature	°C	-40~+85			

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

## Ordering Information

PITIS-1111-2334-555-666-789-AAA

1111	- Center Wavelength:	1064=1064nm,.....
2	-Stage:	S=Single-core stage, D=Dual-core stage
33	-Tap ratio:	01=1%, 02=2%, ....., 50=50%
4	-Axis Alignment:	1=Option 1, 2=Option 2, 3=Option 3,
555	-Fiber Type for In & Out:	001=PM1550, 002=PM1310, 003=PM980, 004=Hi1060, 008=SMF-28E
666	Fiber Type for Tap:	001=PM1550, 002=PM1310, 003=PM980, 004=Hi1060, 008=SMF-28E
7	-Package Dimension:	A=φ5.5x35mm, S=Specified
8	-Pigtail Type:	0=250μm bare fiber, 1=900μm loose tube
9	-Fiber Length:	0=0.8m,1=1m
AAA	-Connector for In, Out, Tap:	0=FC/UPC,1=FC/APC,2=SC/UPC,3=SC/APC,4=LC/UPC,5=LC/APC, N=None

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