2000nm Optical Isolator (2μm fiber laser,up to 20W)

Features

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

Applications

- Communication Systems
- Test Instrument
- Fiber Sensor
- Research

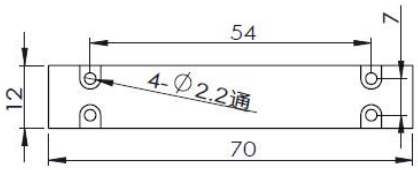
Specifications

Parameter	Unit	Value	
Stage	-	Single	Dual
Center Wavelength	nm	1950, 2000, 2050	
Operating Wavelength Range	nm	±20	
Min. Isolation at 23℃	dB	16	35
Max. Insertion Loss at 23℃	dB	1.2	1.5
Max. Polarization Dependent Loss at 23℃	dB	0.2	
Min. Return Loss (input/output)	dB	50/50	
Max. Optical Power(CW)	W	20	
Max. Tensile Load	N	5	
Fiber Type	-	Smf-28e, sm1950	
Operating Temperature	℃	-5~+70	
Storage Temperature	℃	-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.

Package Dimensions

Max. Input Power:10W



Max.Input Power:20W

Ordering Information

PIIS-1111-2-333-456-77-8899

1111	-Center Wavelength:	1950=1950nm, 2000=2000nm, 2050=2050nm.....
2	-Stage:	S=Single-core stage, D=Dual-core stage
333	-Fiber Type:	001=PM1550, 008=SMF-28E, 045=Nufern PM1950, 046=Nufern SM1950
4	-Package Dimension:	0=φ5.5x35mm, 1=70x12x8mm, S=Specified
5	-Pigtail Type:	0=250μm bare fiber, 1=900μm loose tube
7	-Fiber Length:	0=0.8m,1=1m
77	-Connector Type:	0=FC/UPC,1=FC/APC,2=SC/UPC,3=SC/APC,4=LC/UPC,5=LC/APC
88	-Average Power:	10=10W, 20=20W
99	-Peak Power:	10=10K, 20=20K