High Power Optical Isolator (Faraday Based, 1310nm,1550nm)

Features

- Low Insertion Loss
- High Return Loss
- High PER
- High Stability and Reliability

Applications

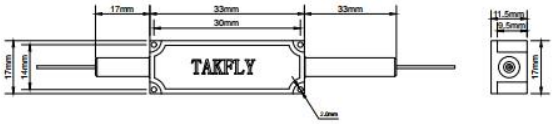
Communication System
Testing Instrument
Fiber Sensor
Research

Specifications

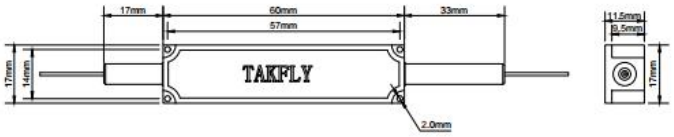
Parameter	Unit	Value			
Stage	-	Single		Dual	
Grade	-	P	A	P	A
Center Wavelength	nm	1310, 1550			
Operating Wavelength Range	nm	±20			
Typ. Peak Isolation at 23℃	dB	42	40	58	55
Min. Isolation at 23℃	dB	28	26	48	45
Typ. Insertion Loss at 23℃	dB	0.4	0.5	0.5	0.6
Max. Insertion Loss at 23℃	dB	0.55	0.65	0.65	0.8
Min. Extinction Ratio at 23℃ (Both Axis Working)	dB	20	18	20	18
Min. Extinction Ratio at 23℃ (Fast Axis Blocked)	dB	25	23	25	23
Max. Polarization Dependent Loss (SM Fiber Type)	dB	0.15			
Min. Return Loss (input/output)	dB	50/50			
Max. Optical Power (CW)	W	20 or Specify			
Max. Tensile Load	N	5			
Operating Temperature	℃	0~+70			
Storage Temperature	℃	-40~+85			

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

Package Dimensions



Max. Input Power: 5W



Max.Input Power: 20W

Ordering Information

HPMIS-1111-234-555-67-8-99-AABB (PM Fiber Type) / HPIIS-1111-234-555-67-8-99-AABB (SM Fiber Type)

1111 - Wavelength:	1550=1550nm, 1310=1310nm, SSSS=Specify
2 - Grade:	P=P grade, A= A grade
3 - Core Type:	S=Single-core, D=Dual-core
4 - Working Axis:	B=Both axis working, F=Fast axis blocked, N=Non-PM
555 - Fiber Type:	001=PM1550, 002=PM1310, 008=SMF-28E, SSS=Specify
6 - Package Dimension:	0=5.5x35mm, 1=70x12x8mm, S=Specify
7 - Pigtail Type:	0=bare fiber, 1=900um loose tube, S=Specify
8 - Fiber Length:	0.75=0.75m, 1.0=1.0m. S=Specify
99 - Connector Type:	0=FC/UPC, 1=FC/APC, 2=SC/UPC, 3=SC/APC, N=None, S=Specify
AA - Average Power:	00=500mW, 01=1W, 05=5W, 10=10W, 20=20W, SS=Specify
BB - Peak Power:	00=Continuous Wave, 10=10kW, 20=20kW