1064nm High Power Optical Isolator (Faraday Based, 2W)

Features

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

Applications

- Fiber Amplifier
- Testing Instrument
- MOPA Fiber Laser
- Fiber Laser

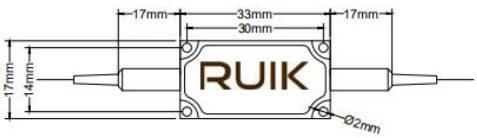
Specifications

Parameters	Unit	Value	
Stage	-	Single	Dual
Center Wavelength	nm	1064	
Operating Wavelength Range	nm	±5	
Typ. Peak Isolation at 23℃	dB	35	50
Min. Isolation at 23℃	dB	28	45
Max. Insertion Loss at 23℃	dB	1.7	3.8
Max. Insertion Loss at 23℃ and Input Power 300 mW	dB	2.0	4.0
Max. Insertion Loss at 23℃ and Input Power 1 W	dB	2.5	4.5
Max. Insertion Loss at 23℃ and Input Power 2 W	dB	3.0	5.5
Max. Polarization Dependent Loss at 23℃ (SM Fiber Type)	dB	0.2	
Min. Extinction Ratio at 23℃ (PM Fiber Type)	dB	20	
Min. Return Loss(Input /Output)	dB	5	
Max. Average Optical Power	W	2	
Max. Peak Power for ns Pulse	kW	10	
Package Dimension	mm	33x17x11.5	60x17x11.5
Max. Tensile Load	N	5	
Operating Temperature	℃	+10 to +50	
Storage Temperature	℃	0 to +60	

With connectors, the handling 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



Single Core

Dual Core

Ordering Information

HPMIS-1111-23-444-56-7-88-99AA (PM Fiber Type) / HPIIS-1111-23-444-56-7-88-99AA (SM Fiber Type)

1111 - Wavelength:	1064=1064nm
2 - Core Type:	S=Single-core stage, D=Dual-core stage
3 - Working Axis:	B=Both axis working, F=Fast axis blocked, N=Non PM
444 - Fiber Type:	003=PM980, 004=Hi1060, 014=PM1060L, SSS=Specify
5 - Package Dimension:	0=33x17x11.5mm, 1=60x17x11.5mm
6 - Pigtail Type:	0=250μm bare fiber, 1=900μm loose tube
7 - Fiber Length:	0.75=0.75m, 1.0=1m, S=Specify
88 - Connector Type:	0=FC/UPC, 1=FC/APC, 2=SC/UPC, 3=SC/APC, N=None, S=Specify
99 - Average Power:	00=500mW, 01=1W, 02=2W
AA - Peak Power:	00=Continuous Wave, 10=10kW, 20=20kW