RUIK

Ruik-Tech Communication (Dongguan) Co., Ltd.

1064nm 2W Polarization Insensitive Isolator (Faraday based)

Features

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

Applications

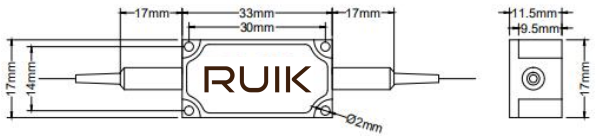
- Testing Instrument
- MOPA Fiber Laser
- Fiber Laser

Specifications

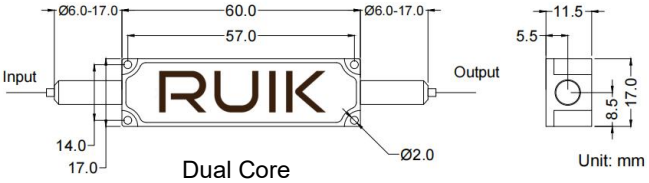
Parameters	Unit	Value	
Stage	-	Single	Dual
Center Wavelength	nm	1064	
Operating Wavelength Range	nm	±5	
Typ. Peak Isolation at 23°C	dB	35	50
Min. Isolation at 23°C	dB	27	45
Max. Insertion Loss at 23°C	dB	1.7	3.8
Max. Insertion Loss at 23°C and Input Power 300mW	dB	2.0	4.0
Max. Insertion Loss at 23°C and Input Power 1W	dB	2.5	4.5
Max. Insertion Loss at 23°C and Input Power 2W	dB	3.0	5.5
Max. Polarization Dependent Loss at 23°C	dB	0.15	
Min. Return Loss at 23°C (Input /Output)	dB	45	
Max. Optical Power (CW)	W	0.5, 1, 2	
Max. Peak Power for ns Pulse	kW	10	
Package Dimensions	mm	33x17x11.5	60x17x11.5
Max. Tensile Load	N	5	
Operating Temperature	°C	+10 to +50	
Storage Temperature	°C	0 to +60	

*With connectors, the Max. handling power is 1W only, IL is 0.3dB higher and RL is 5dB lower

Package Dimensions



Single Core



Dual Core

Ordering Information

PIIS-①①①①-②③-④④④-⑤⑥-⑦-⑧⑧-⑨⑨⑩⑩

①①①① - Wavelength:	1064=1064nm, SSSS=Specified
② - Core Type:	S=Single-core stage, D=Dual-core stage
③ - Working Axis:	N=Non-PM
④④④ - Fiber Type:	004=Hi1060, 019=LMA-GDF-10/125-M, SSS=Specified
⑤ - Package Dimensions:	0=33x17x11.5mm, 1=60x17x11.5mm
⑥ - Pigtail Type:	0=250μm bare fiber, 1=900μm loose tube
⑦ - Fiber Length:	0.8=0.8m, 1.0=1m, S=Specified
⑧⑧ - Connector Type:	0=FC/UPC, 1=FC/APC, 2=SC/UPC, 3=SC/APC, N=None, S=Specified
⑨⑨ - Average Power:	00=500mW, 01=1W, 02=2W
⑩⑩ - Peak Power:	00=Continuous Wave, 01=1kW, 02=2kW, 10=10kW, SS=Specified

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