

Dual-core Stage High Power Isolator (1064nm, 1030nm, 980nm)

高功率在线双极隔离器(1064nm,1030nm,980nm)

The 1064 /1030/980 nm High Power In-line dual stage isolator of RUIK technology is characterized with low insertion loss, high extinction ratio, high isolation, high power handling, high return loss, excellent environmental stability and reliability. It is ideal for fiber laser and instrumentation applications.

瑞凯科技高功率隔离器具有插入损耗小、高消光比、隔离性好、可承受功率高，回波损耗高，环境稳定可靠等特点。适用于光纤激光器、仪器仪表光纤放大器、光学传感器中。

Features 产品特性

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|--------------------------------|----------|
| ◆ Low Insertion Loss | 低插入损耗 |
| ◆ High Return Loss | 高回波损耗 |
| ◆ High Isolation | 高隔离度 |
| ◆ High Stability & Reliability | 高稳定性和可靠性 |

Applications 应用领域

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|--|-----------|
| ◆ Polarization Maintaining Fiber Amplifier | 保偏光纤放大器 |
| ◆ Testing Instrument | 测试系统 |
| ◆ Mopa Fiber Laser | 光纤主腔振荡放大器 |
| ◆ Fiber Laser | 光纤激光器 |

Package Dimension 封装尺寸



Specifications

规格参数

Parameters 参数	Unit 单位	Value 数值
Center Wavelength 中心波长	nm	1064 or 1030 or 980
Operating Wavelength Range 工作带宽	nm	±5
Typ. Peak Isolation at 23°C 峰值隔离度	dB	65
Min. Isolation at 23°C 最小隔离度	dB	55
Typ. Insertion Loss at 23°C 典型损耗	dB	0.8
Max. Insertion Loss at 23°C 最大损耗	dB	1.2
Max. Polarization Dependent Loss at 23°C, only for PI (仅偏振无关)	dB	0.2
Min. Extinction Ratio at 23°C, only for PM 最小消光比 (仅保偏)	dB	20
Min. Return Loss(Input /Output) 最小回波损耗 (进端/出端)	dB	45
Max. Average Optical Power 最大连续功率	W	20
Max. Peak Power for ns Pulse 最大峰值功率	kW	10
Max. Tensile Load 最大拉力	N	5
Package Dimension 封装尺寸	mm	150x28x26
Operating Temperature 工作温度	°C	+10~+50
Storage Temperature 储存温度	°C	0~+60

Ordering Information

订购信息

HPMIS/HPIS-1064-23-444-567-88-99AA

1064-Center Wavelength 中心波长	1064=1064nm, 1030=1030nm, 0980=980nm
2-Core Type 单/双级	D=Dual-Core Stage
3-Axis Alignment for PM 工作轴向	F=Slow Axis Working, Fast Axis Blocked, B=Both Of Axis Working
444-Fiber Type 光纤类型	001=PM1550, 002=PM1310, 003=PM980, 004=Hi1060, 008=SMF-28E
5-Package Dimension 封装尺寸	0=58x28x26mm, 1=150x28x26, S=Specified
6-Pigtail Type 尾纤类型	0=250µm Bare Fiber, 1=900µm loose Tube
7-Fiber Length 光纤长度	0=0.8m, 1=1m
88-Connector Type 接头类型	0=FC/UPC, 1=FC/APC, 2=SC/UPC, 3=SC/APC, 4=LC/UPC, 5=LC/APC, N=None
99-Average Power 平均功率	00=500mW, 01=1W,....., 05=5W, 10=10W, 50=50W
AA-Peak Power 峰值功率	10=10kW, 20=20kW

For example: Product model HPMIS-1064-DF-003-100-NN-5020 on behalf of:

High Power PM Isolator, Dual-core Stage 1064nm, Slow Axis Working, Fast Axis blocked, SM98-PS-U25D Panda Fiber, 150x28x26mm package, 250µm bare Fiber, 0.8m Fiber Length, no Connector, optical power 50W, peak power 20kW.

例如: 产品型号 HPMIS-1064-DF-003-100-NN-5020 代表:

高功率保偏隔离器, 1064 纳米, 双级, 快轴截止, SM98-PS-U25D, 裸纤, 0.8 米纤长, 承受功率 50 瓦, 峰值功率 20 千瓦, 封装尺寸 150x28x26 毫米.