

1064-2050nm PM Faraday Rotator

Features

- Low Insertion Loss
- High Return Loss
- High Reliability
- High stability

Applications

- Fiber optic instruments
- Fiber optic sensors
- Fiber optic lasers
- Coherence detection
- Product development



Parameter	Spec			Unit
Center Wavelength	2050,2000,1950	1550,1480,1310	1064	nm
Operating Wavelength Range	± 15	± 20	± 5	nm
Max. Insertion Loss	1.3	0.5	1.6	dB
Min. Extinction Ratio @23°C	18	20	20	dB
Faraday Rotation Angle for CWL		45		deg
Max. Rotation Angle Tolerance at 23°C for CWL		± 2		deg
Max. Polarization Mode Dispersion		0.05		ps
Max. Power Handling		300		mW
Max. Tensile Load		5		N
Axis Alignment		Both Axis Working		/
Fiber Type		PM Panda Fiber		/
Operating temperature		-5~+70		°C
Storage temperature		-40~+85		°C

Order Information

☐ Wavelength: 2000=2000nm 1550=1550nm 1310=1310nm 1064=1064nm SSSS=Specified

☐ Fiber Type: 001=PM1550 002=PM1310 003=PM980 045=PM1950 SSS=Specified

☐ Package Dimensions: 0= $\phi 5.5 \times 35$ mm S=Specified

☐ Pigtail Type: 0=250umBare Optical Fiber 1=900um Buffer tube S=Specified

☐ Fiber Length: 0.8=0.8m 1.0=1m S=Specified

☐ Connector Type: 0=FC/UPC 1=FC/APC 2=SC/UPC 3=SC/APC N=None S=Specified

780-1080nm High Power Faraday Rotator Mirror TGG Type 20W FRM

Features

Low Insertion Loss

High Return Loss

High Reliability

High stability

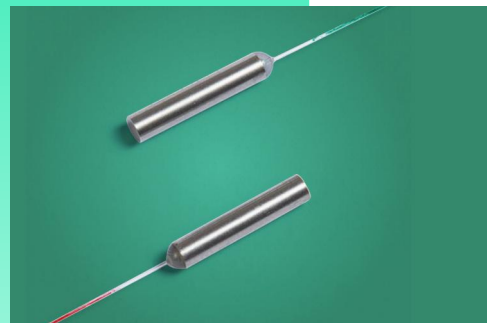
Applications

Fiber Optic Instruments

Fiber Sensors

Optical Fiber Laser

Coherent Detecting



Parameter	Spec	Unit
Center Wavelength	1064,1030,980,850,808,780	nm
Operating Wavelength Range	±5	nm
Max.Insertion Loss	1.0	dB
Faraday Rotation Angle for CWL	45	deg
Max. Rotation Angle Tolerance @23°C for CWL	±2	deg
Min. Extinction Ratio @23°C, only for PM	20	dB
Max. Polarization Dependent Loss, only for single mode fiber type	0.15	dB
Max. Polarization Mode Dispersion	0.05	ps
Max. Power Handling	0.5,1,5,10,20 or Specified	W
Max. ns pulse peak power	10 or Specified	kW
Package Dimensions	58x28x26	mm
Max. Tensile Load	5	N
Axis Alignment	Both Axis Working	/
Operating temperature	-5~+70	°C
Storage temperature	-40~+85	°C

Order Information

☐ Wavelength: 1064=1064nm 1030=1030nm 980=980nm 780=780nm SSSS=Specified

☐ Fiber Type: 003=PM980 004=HI1060 018=PLMA-GDF-10/125-M SSS=Specified

☐ Package Dimensions: 0=58×28×26mm S=Specified

☐ Pigtail Type: 0=bare fiber 1=900μm Buffer Tube

☐ Fiber length: 0.8=0.8m 1.0=1m S=Specified

☐ Connector Type: 0=FC/UPC 1=FC/APC 2=SC/UPC 3=SC/APC N=None S=Specified

☐ Average Power: 00=500mW 01=1W 05=5W 10=10W SS=Specified

☐ Peak Power: 00=Continuous Wave 01=1kW 02=2kW 10=10kW SS=Specified

TGG type FRM power 50W/100W 980-1080nm High Power Faraday Rotator Mirror

Features

Low Insertion Loss

High Return Loss

High Reliability

High stability

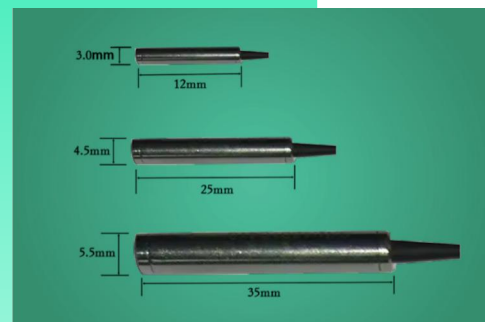
Applications

Fiber Optic Instruments

Fiber Sensors

Optical Fiber Laser

Coherent Detecting



Parameter	Spec	Unit
Center Wavelength	1064,1030,980	nm
Operating Wavelength Range	±5	nm
Max. Insertion Loss	1.0	dB
Faraday Rotation Angle for CWL	45	deg
Max. Rotation Angle Tolerance for CWL	±2	deg
Min. Extinction Ratio @23°C(PM Fiber Type)	20	dB
Max. Polarization Dependent Loss, only for single mode fiber type	0.15	dB
Max. Polarization Mode Dispersion	0.05	ps
Max. power	50,100 or Specified	W
Max. ns pulse peak power	10 or Specified	kW
Package Dimensions	76×38×35	mm
Max. Tensile Load	5	N
Axis Alignment	Both Axis Working	/
Operating temperature	-5~+70	°C
Storage temperature	-40~+85	°C

Order Information

☐ Wavelength: 1064=1064nm 1030=1030nm 980=980nm SSSS=Specified

☐ Fiber Type: 020=PLMA-GDF-20/130-M 024=PLMA-GDF-25/250-M SSS=Specified

☐ Package Dimensions: 0=58×28×26mm S=Specified

☐ Pigtail Type: 0=bare fiber 1=900μm Buffer Tube

☐ Fiber length: 0.8=0.8m 1.0=1m S=Specified

☐ Connector Type: 0=FC/UPC 1=FC/APC 2=SC/UPC 3=SC/APC N=None S=Specified

☐ Average Power: 00=500mW 01=1W 05=5W 10=10W SS=Specified

☐ Peak Power: 00=Continuous Wave 01=1kW 02=2kW 10=10kW SS=Specified

780-2050nm Polarization Maintaining Rotator Mirror PM

Features

Low Insertion Loss

High Return Loss

High Reliability

High stability

Applications

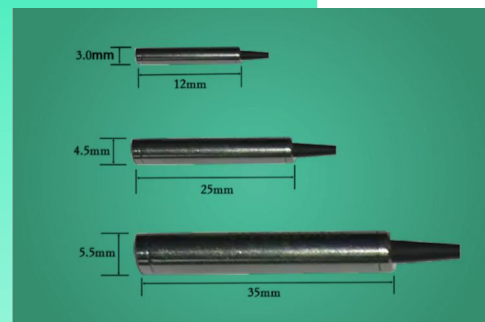
Fiber Optic instruments

Fiber Sensors

Optical Fiber Laser

Coherent Detecting

Research



Parameter	Spec			Unit
Center Wavelength	2050,2000,1950	1550,1480,1310	1064,980,850,780	nm
Operating Wavelength Range	±15	±15	±5	nm
Max. Insertion Loss	0.9	0.5	0.7	dB
Min. Extinction Ratio @23°C	18	20	20	dB
Max. Polarization Mode Dispersion		0.05		ps
Max. Optical Power(CW)		300		mW
Max. Tensile Load		5		N
Fiber Type		PM Panda Fiber		/
Operating temperature		-5~+70		°C
Storage temperature		-40~+85		°C

Order Information

☐ Wavelength: 2000=2000nm 1550=1550nm 1064=1064nm 980=980nm SSSS=Specified

☐ Fiber Type: 001=PM1550 002=PM1310 003=PM980 045=PM1950 SSS=Specified

☐ Package Dimensions: 0=φ5.5×35mm S=Specified

☐ Pigtail Type: 0=bare fiber 1=900μm Buffer Tube S=Specified

☐ Fiber Length: 0.8=08m 1.0=1m S=Specified

☐ Connector Type: 0=FC/UPC 1=FC/APC 2=SC/UPC 3=SC/APC N=None S=Specified

TGG type Power 20W FRM

780-1080nm High Power Faraday Rotator Mirror

Features

Low Insertion Loss

High Return Loss

High Reliability

High stability

Applications

Fiber Optic Instruments

Fiber Sensors

Optical Fiber Laser

Coherent Detecting



Parameter	Spec	Unit
Center Wavelength	1064,1030,980,850,808,780	nm
Operating wavelength Bandwidth	± 5	nm
Max. Insertion Loss	1.0	dB
Faraday Rotation Angle for CWL	45	deg
Max. Rotation Angle Tolerance for CWL	± 3	deg
Min. Extinction Ratio @23°C (PM Fiber Type)	20	dB
Max. Polarization Dependent Loss, only for single mode fiber type	0.15	dB
Max. Polarization Mode Dispersion	0.05	ps
Max. power	0.5,1,5,10,20 or Specified	W
Max. ns pulse peak power	10 or Specified	kW
Package Dimensions	76×38×35	mm
Max. Tensile Load	5	N
Axis Alignment	Both Axis Working	/
Operating temperature	-5~+70	°C
Storage temperature	-40~+85	°C

Order Information

- ☐ Wavelength: 1064=1064nm 980=980nm 0780=780nm SSSS=Specified
- ☐ Rotation angle: 1=45° 2=90°
- ☐ Fiber Type: 003=PM980 004=HI1060 018=PLMA-GDF-10/125-M SSS=Specified
- ☐ Package Dimensions: 0=58×28×26mm S=Specified
- ☐ Pigtail Type: 0=bare fiber 1=900um Buffer Tube S=Specified
- ☐ Fiber length: 0.8=0.8m 1.0=1m S=Specified
- ☐ Connector Type: 0=FC/UPC 1=FC/APC 2=SC/UPC 3=SC/APC N=None S=Specified
- ☐ Average Power: 00= 500mW 01=1W 05=5W 10=10W SS=Specified
- ☐ Peak Power: 00=Continuous Wave 01=1kW 02=2kW 10=10kW SS=Specified

1064-2050nm Fiber Optical Polarization Maintaining PM Faraday Rotator Mirror

Features

Low Insertion Loss

High Return Loss

High Reliability

High stability

Applications

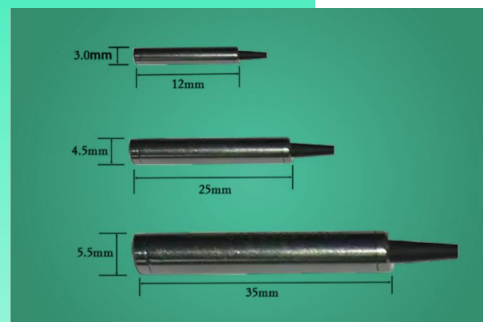
Fiber Optic instruments

Fiber Sensors

Optical Fiber Laser

Coherent Detecting

Research



Parameter	Spec			Unit
Center Wavelength	2050,2000,1950	1550,1480,1310	1064	nm
Operating Wavelength Range	±15	±15	±5	nm
Max. Insertion Loss	0.9	0.6	3.0	dB
Min. Extinction Ratio @23°C Ratio	18	20	20	dB
Faraday Rotation Angle for CWL		45		deg
Max. Rotation Angle Tolerance for CWL		±3		deg
Max. Polarization Mode Dispersion		0.05		ps
Max. power		300		mW
Max. Tensile Load		5		N
Axis Alignment		Both Axis Working		/
Fiber Type		PM Panda Fiber		/
Operating temperature		-5~+70		°C
Storage temperature		-40~+85		°C

Order Information

☐ Wavelength: 2000=2000nm 1550=1550nm 1310=1310nm 1064=1064nm SSSS=Specified

☐ Rotation angle: 1=45° 2=90°

☐ Fiber Type: 001=PM1550 002=PM1310 003=PM980 045=PM1950 SSS=Specified

☐ Package Dimensions: 0=φ5.5×35mm S=Specified

☐ Pigtail Type: 0=bare fiber 1=900um Buffer Tube S=Specified

☐ Fiber Length: 0.8=0.8m 1.0=1m S=Specified

☐ Connector Type: 0=FC/UPC 1=FC/APC 2=SC/UPC 3=SC/APC N=None S=Specified