High Power Polarization Insensitive Circulator (HPCIR Series)

Rev 11

Description

The High Power Polarization Insensitive Circulator is characterized with low insertion loss, high isolation, high power handling, high return loss. The circulator is ideal for fiber laser and instrumentation applications.

Key Features

- Low Insertion Loss
- High Isolation
- High Return Loss

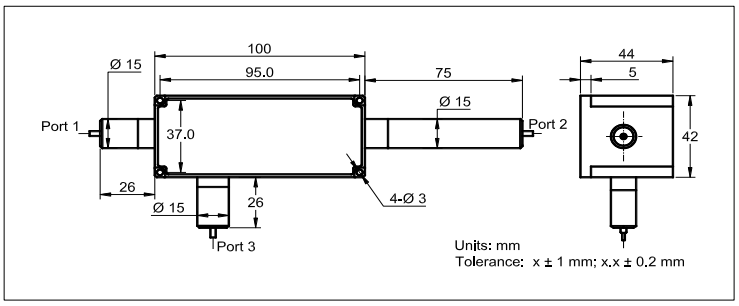
Applications

- Fiber Lasers
- Instrumentation

Specifications

Parameter		Unit	Value
Center Wavelength (λc)		nm	1064
Operating Wavelength Range		nm	λc ± 10
Min. Isolation, All Polarization States, 23 ℃		dB	25
Typ. Insertion Loss, 23 ℃		dB	0.5
Max. Insertion Loss, 23 ℃		dB	0.8
Max. Polarization Dependent Loss		dB	0.2
Min. Crosstalk		dB	45
Min. Return Loss		dB	45
Max. Average Optical Power	Port 1 → Port 2	W	50
	Port 2 → Port 3	W	10
Max. Peak Power (Pulse Width, 10 ns)		kW	20
Max. Tensile Load		N	5
Fiber Type		-	Specified by ordering info
Operating Temperature		℃	+ 10 to + 50
Storage Temperature		℃	0 to + 60

Package Dimensions



Ordering Information

HPCIR-①①-②②-③-④-⑤-⑥-⑦

①①: Wavelength
06 - 1064 nm
SS - Specify

②②: Handling Power
50 - 50 W
SS - Specify

③: Connector Type
N - None

④: Fiber Jacket
B - Bare Fiber
L - 900 μm Loose Tube
S - Specify

⑤: Fiber Length

1 - 1.0 m

S - Specify

⑥: Fiber Type

1 - Corning HI1060 Fiber

2 - Nufern FUD-3584 Fiber

3 - Nufern LMA-GDF-20/130-M

S - Specify

⑦: Power Type

P - Pulsed

C - Continuous Wave