



High Power Polarization Insensitive Circulator (HPCIR Series)

Rev 11E

Description

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

Key Features

- Low Insertion Loss
- High Isolation
- High Return Loss

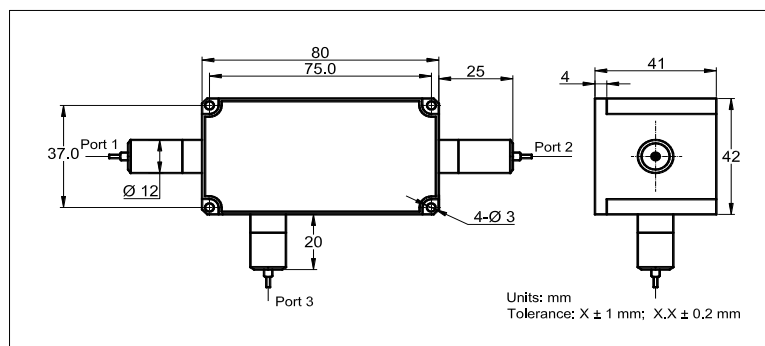
Applications

- Fiber Lasers
- Instrumentation

Specifications

Parameter	Unit	Value
Center Wavelength (λ_c)	nm	1064
Operating Wavelength Range	nm	$\lambda_c \pm 10$
Typ. Peak Isolation	dB	25
Min. Isolation, λ_c , 23 °C	dB	22
Typ. Insertion Loss, 23 °C	dB	0.8
Max. Insertion Loss, 23 °C	dB	1
Max. Polarization Dependent Loss	dB	0.2
Min. Crosstalk	dB	45
Min. Return Loss	dB	45
Max. Average Optical Power	W	10
Max. Peak Power (Pulse Width, 10 ns)	kW	10
Max. Tensile Load	N	5
Fiber Type	-	HI1060
Operating Temperature	°C	+ 10 to + 50
Storage Temperature	°C	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

03 - 3 W

10 - 10 W

SS - Specify

③: Connector Type

N - None

④: Fiber Jacket

B - 250 μ m Bare Fiber

L - 900 μ m Loose Tube

S - Specify

⑤: Fiber Length

1 - 1.0 m

S - Specify

⑥: Fiber Type

1 - HI1060 Fiber

2 - Nufern FUD-3584 Fiber

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

S - Specify

⑦: Power Type

P - Pulsed

C - Continuous Wave