Advanced Fiber Resources (HK), Ltd.

High Power Polarization Insensitive Circulator (HPCIR Series)

Rev 11

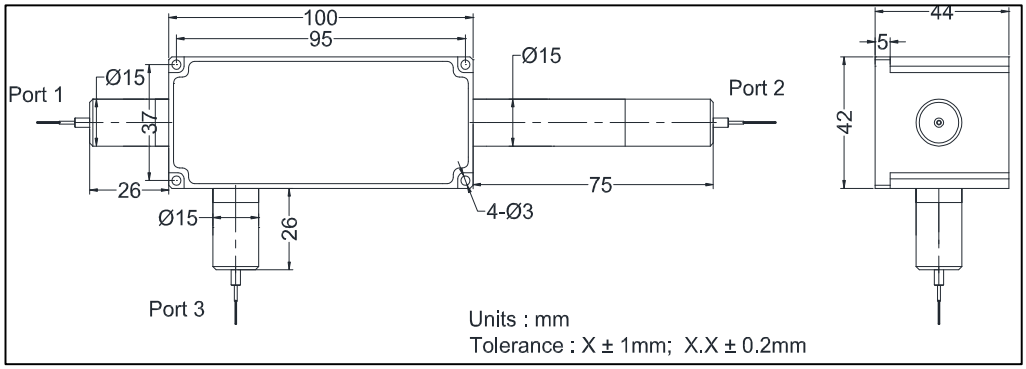
Description

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

Specifications

Parameter		Unit	Value
Center Wavelength (λc)		nm	1064
Operating Wavelength Range		nm	λc ± 10
Min. Isolation, 23 ℃, all polarization states		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 for ns pulse		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 HI 1060 fiber
2 - Nufern FUD-3584 fiber
3 - Nufern LMA-GDF-20/130-M
S - Specify

⑦: Power Type
P - Pulse Application
C - Continuous Wave