

2000nm 1x2 Three-Port Polarization-Insensitive Circulator (Max Optical Power 1W)



- **Product Description**

2000nm Three-Port Polarization Insensitive Optical Circulator (High Power)

- **Product features**

The polarization-insensitive design is suitable for any polarization state; the

three-port structure enables directional optical signal forwarding; supports
 up to 1W optical power transmission; low insertion loss; high isolation
 effectively suppresses crosstalk

● Part Number

MP-CIR-2000-B-3-SA

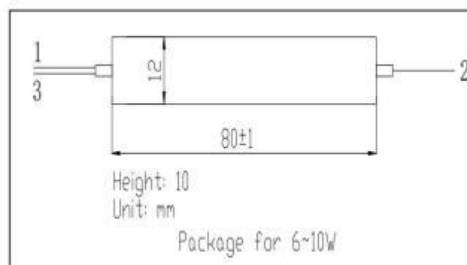
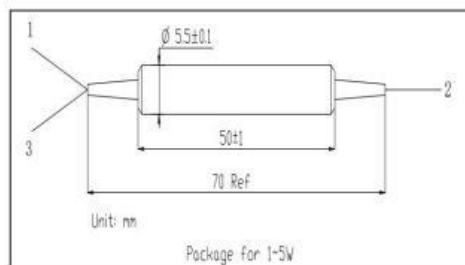
● Application area

Fiber Laser System | Optical Communication Module | Optical Signal Routing
 | Medical Diagnosis | Scientific Research Experiment

● Core parameters

Center Wavelength	Max.Optical Power
2000nm	1W

● Dimension Drawing



● General Parameters

Parameter	Unit	Values
Central Wavelength	nm	2000
Operating Wavelength Range	nm	± 20
Max. Insertion Loss (23°C, 1→2, 2→3, λ_c)	dB	1.5
Min. Isolation (23°C, 3→2, 2→1, λ_c)	dB	20
Min. Return Loss	dB	50
Min. Crosstalk	dB	50
Max. Polarization Dependent Loss	dB	0.2
Max. Polarization Mode Dispersion	ps	0.15
Max. Optical Power (CW, total)	W	1, 3, 5 or Specify
Max. Tensile Load	N	5
Fiber Type	-	SMF-28e Fiber
Operating Temperature	°C	-5 to +70
Storage Temperature	°C	-40 to +85

*The above specifications apply to devices without connectors.

*For devices with connectors, the insertion loss (IL) will be higher by 0.3dB, the return loss (RL) will be lower by 5dB, and the optical power will be limited to 1000mW (CW).

*The material must comply with RoHS standards.



Model Description

HPCIR-①①-②-③③-④④④-⑤⑤⑤-⑥-⑦⑦

①①: Wavelength

20 - 2000nm

SS - Specify

②: Port Type

1 - 1x2

③③: Optical Power

01 - 1W

05 - 5W

SS - Specify

④④④: Connector Type on Port 1, 2 & 3

1A- FC/UPC

2A - FC/APC

3D - SC/UPC

4D - SC/APC

N - None

S - Specify

⑤⑤⑤: Fiber Jacket on Port 1, 2 & 3

B - Bare Fiber

E - 900um Losse tube (Black)

F - 900um Losse tube (White)

R - 3mm Cable (Blue)

S - Specify

⑤⑤⑤: Fiber Jacket on Port 1, 2 & 3

B - 250um Bare Fiber

L - 900um Loose Tube

S - Specify

⑥: Fiber Length

1 - 1.0m

S - Specify

⑦⑦: Package Dimensions

03 - Ø5.5x50

08 - 80x12x10