



High Power Polarization Maintaining Optical Circulator (Ultra-Fast Fiber Lasers)

Features

Low Insertion Loss
High Return Loss
High Extinction Ratio
High Power

Applications

Ultra-Fast Fiber Lasers
Fiber Optic Instruments
Fiber Sensors
Coherent Detecting
Research



Specifications

Parameters	Unit	Values	
Package Type		C6	C116
Center Wavelength (λ_c)	nm	1030,1064 or Specify	
Typ. Peak Isolation (2 to 1, 3 to 2)	dB	28	
Min. Isolation at 23°C (2 to 1, 3 to 2)	dB	25	
Typ. Insertion Loss at 23°C (1 to 2, 2 to 3)	dB	0.6	
Max. Insertion Loss at 23°C (1 to 2, 2 to 3)	dB	0.8	
Min. Extinction Ratio at 23°C	dB	20	
Min. Cross Talk	dB	50	
Min. Return Loss	dB	50	
Max. Optical Average Power	W	1,3 or Specify	5,10,20 or Specify
Max. Peak Power for ps Pulse	kW	5 or Specify	10 or Specify
Max. Tensile Load	N	5	
Operating Temperature	°C	+10 to +50	
Storage Temperature	°C	0 to +75	

*For pulse applications, pls discuss with Optizone Technology.

*The PM fiber and the connector key are aligned to the slow axis.

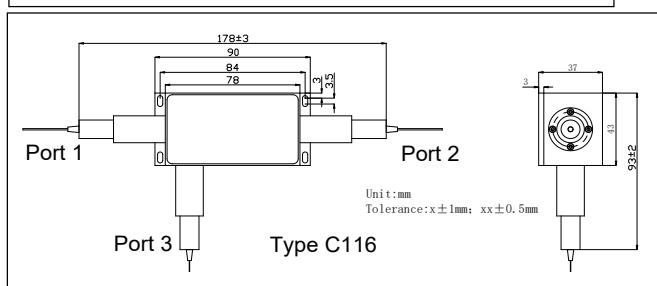
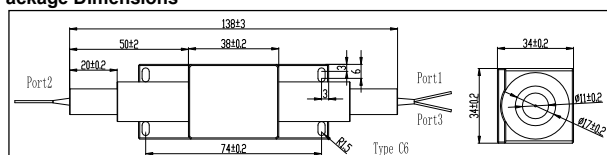
*Above specifications are for device without connector.

*For devices with connectors, IL will be 0.5dB higher, RL will be 5dB lower, and ER will be 2dB lower & handling Power will be only 1W(CW).

*The maximum power is the sum of the powers in the forward and backward directions.

*The material must be RoHS compliant.

Package Dimensions



Ordering Information

HPMCIR-UF-①①-②②②-③③-④-⑤⑤⑤-⑥⑥⑥-⑦-⑧-⑨⑨⑨

①①: Wavelength

03 - 1030nm

06 - 1064nm

S - Specify

②②②: Package Type

C6 - Type C6

C116 - Type C116

③③: Handling Power

01 - 1W

03 - 3W

05 - 5W

10 - 10W

20 - 20W

S - Specify

④: Port Configuration

1 - 1x2

⑤⑤⑤: Connector Type on Port 1、2 & 3

1A - FC/UPC

2A - FC/APC(Step)

3A - SC/UPC

4A - SC/APC(Step)

5A - FC/APC(Cone)

N - None

⑥⑥⑥: Fiber Jacket on Port 1、2 & 3

B - Bare Fiber

C - 900um Loose Tube(Red)

R - 3mm Cable(Blue)

S - Specify

⑦: Fiber Length

0.8 - 0.8m

S - Specify

⑧: Axis Alignment

F - Fast Axis Blocked

⑨⑨⑨: Fiber Type on Port 1/2/3

1 - PM 980 Fiber

45 - Nufern PLMA -GDF-10/125-M NA0.075 Fiber

65 - Nufern PM1060L 10/125 GSF NA0.085 Fiber

79 - YSL PM 10/125 NA0.085 Fiber

S - Specify