



Optizone High Power Polarization Maintaining Isolator (Ultra-Fast Fiber Lasers)

Features

Low Insertion Loss, High Isolation
High Power Handling, High Return Loss

Applications

Ultra-Fast Fiber Lasers, Instrumentation
Fiber Amplifier, Lab Research



Specifications

Parameters	Unit	Values	
Center Wavelength (λ_c)	nm	1030,1064 or Specify	
Operating Wavelength Range	nm	± 10	
Typ. Peak Isolation	dB	32-40	
Min. Isolation at 23°C	dB	26	
Typ. Insertion Loss	dB	0.6	
Max. Insertion Loss at 23°C, λ_c	dB	1.0	
Min. Return Loss (Port1/Port2)	dB	50/50	
Min. ER	dB	20 for B type, 22 for F type	
Max. Optical Average Power	W	1,5	10, 20, 30
Max. Peak Power for ns Pulse	kW	5 or Specify	20 or Specify
Max. Peak Power for ps Pulse	kW	500 or Specify	1000 or Specify
Package Type	-	C5	C6
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.

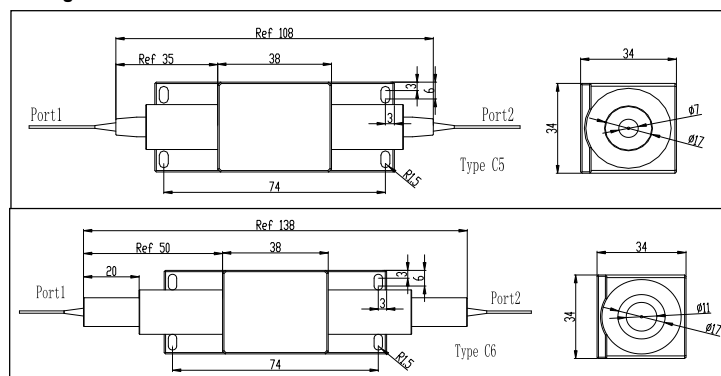
*Above specifications are for device without connector.

*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

HPMI-UF-①①-②②-③③-④④-⑤⑤-⑥⑥-⑦⑦-⑧⑧

①①: Wavelength

03 - 1030nm

06 - 1064nm

SS - Specify

②②: Package Type

C5 - Type C5

C6 - Type C6

③③: Handling Power

01 - 1W

05 - 5W

10 - 10W

20 - 20W

30 - 30W

SS - Specify

④④: Axis Alignment

F - Fast Axis Blocked

B - Both Axis Working

⑤⑤: Connector Type

1A - FC/UPC

2A - FC/APC(Step)

3A - SC/UPC

4A - SC/APC(Step)

N - None

S - Specify

⑥⑥: Fiber Jacket

B - Bare Fiber

C - 900um Loose Tube(red)

U - 3mm Armoured Cable(Blue)

Q - 3mm Loose Cable(red)

S - Specify

⑦⑦: Fiber Length

0.8 - 0.8m

S - Specify

⑧⑧: Fiber Type

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