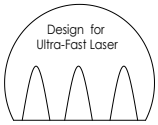
High Power Polarization Maintaining Isolator (Ultra-Fast Fiber Lasers)



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 (λc)	nm	1030、1064 or Specify	
Operating Wavelength Range	nm	±10	
Typ. Peak Isolation	dB	32-40	
Min. Isolation at 23℃	dB	26	
Typ. Insertion Loss	dB	0.6	
Max. Insertion Loss at 23℃, λc	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	℃	+10 to +50	
Storage Temperature	℃	0 to +75	

*For pulse applications, pls discuss with Optizone Technology.

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

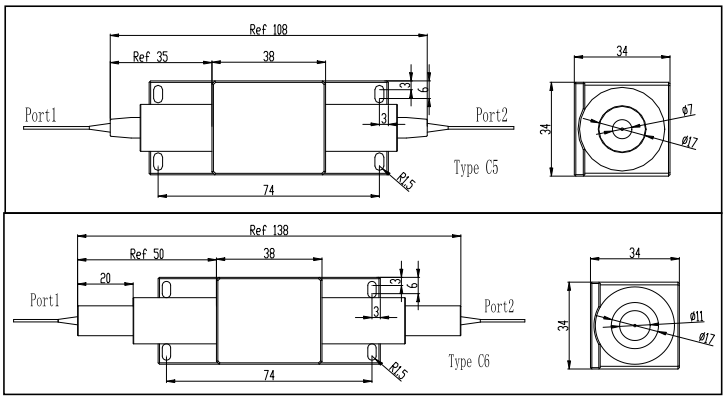
*Above specifications are for device without connector.

*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-①①-②②-③③-④-⑤⑤-⑥⑥-⑦-⑧⑧

①①: Wavelength
- 03 - 3030nm
- 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

④: Axis Alignment
- F - Fast Axis Blocked
- B - Both Axis Working

⑤⑤: Connector Type on Port 1 & 2
- 1 - FC/UPC
- 2 - FC/APC
- 3 - SC/UPC
- 4 - SC/APC
- N - None
- SS - Specify

⑥⑥: Fiber Jacket on Port 1 & 2
- A - 3mm Armoured Cable
- B - Bare Fiber
- C - 3mm Loose Cable
- L - 900um Loose Tube
- SS - Specify

⑦: 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
- SS - Specify