

Features

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

Applications

Fiber Laser, Instrumentation
Fiber Amplifier, Lab Research

Specifications

Parameters	Unit	Values	
Center Wavelength (λ_c)	nm	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	
Max. Polarization Dependent Loss	dB	0.15 (only for HP/II type isolators)	
Min. ER (only for HP/MI type isolators)	dB	20 for B type, 22 for F type	
Max. Optical Power (CW)	W	1, 3, 5	10, 20, 30, 50
Max. Peak Power	-	5 or Specify	10 or Specify
Package Type	-	C5	C6
Fiber Type (only for HP/II type isolators)	-	HI 1060 Fiber or LMA Fiber	
Fiber Type (only for HP/MI type isolators)	-	PM 980 Fiber or PLMA Fiber	
Max. Tensile Load	N	5	
Operating Temperature	°C	-5 to +50	
Storage Temperature	°C	-20 to +75	

*Above specifications are for device without connector.

*For devices with connectors, IL will be 0.3dB higher, RL will be 5dB lower and ER will be 2dB lower, and only for 1W CW.

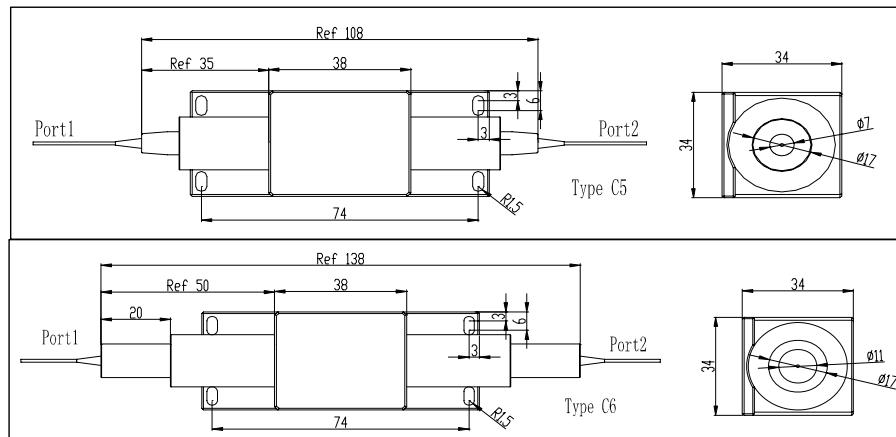
*The PM fiber and connector key are aligned to the slow axis.

*For pulse applications, pls discuss with Optizone Technology.

*No plastic cap on the ends of the component if 3mm jacketed is chosen;

*Package size indicated is for standard choose, if special size is required, please discuss with Optizone.

Package Dimensions



Ordering Information

HP/II-①①-②②-③③-⑤⑤-⑥⑥-⑦

HP/MI-①①-②②-③③-④-⑤⑤-⑥⑥-⑦

①①: Wavelength
06 - 1064nm
S - Specify

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

⑦: Fiber Length
0.8 - 0.8m
S - Specify

②②: Package Type
C5 - Type C5
C6 - Type C6

⑤⑤: Connector Type on Port 1 & 2
N - None
S - Specify

③③: Handling Power
01 - 1W
05 - 5W
50 - 50W
S - Specify

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

Remarks:

- 1) HP/MI, High Power Polarization Maintain
- 2) HP/II, High Power Polarization Insensitive Isolators;
- 3) Item④ is for HP/MI type only.