

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 (1030)	
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 HPIL type isolators)	
Min. ER (only for HPML 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	kW	5 or Specify	10 or Specify
Package Type	-	C5	C6
Fiber Type (only for HPIL type isolators)	-	HI 1060 Fiber or LMA Fiber	
Fiber Type (only for HPML 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 0.7dB 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.

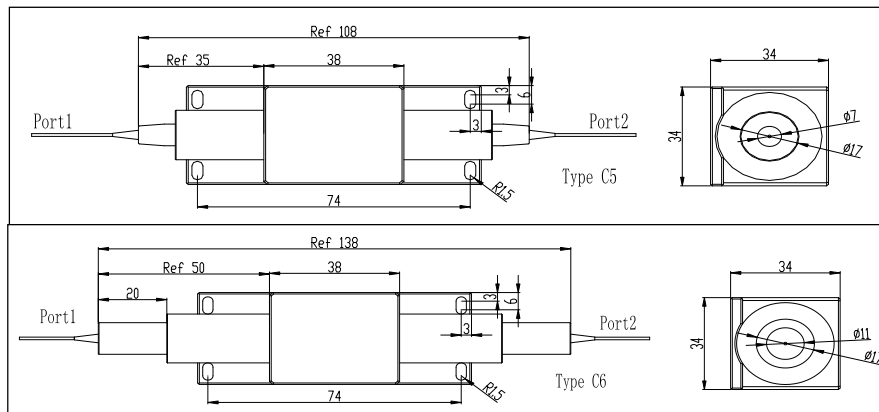
*For pulse applications, pls discuss with Optizone Technology.

*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.

*The material must be RoSH compliant.

Package Dimensions



Ordering Information

HPIL-①①-②②-③③-⑤⑤-⑥⑥-⑦⑦-⑧⑧

HPMI-①①-②②-③③-④④-⑤⑤-⑥⑥-⑦⑦-⑧⑧

①①: Wavelength

06 - 1064nm

S - Specify

②②: Package Type

C5 - Type C5

C6 - Type C6

③③: Handling Power

01 - 1W

05 - 5W

50 - 50W

S - Specify

④④: Axis Alignment

F - Fast Axis Blocked

B - Both Axis Working

⑤⑤: Connector Type on Port 1 & 2

1A - FC/UPC

2A - FC/APC

3A - SC/UPC

4A - SC/APC

N - None

S - Specify

⑥⑥: Fiber Jacket on Port 1 & 2

B - Baer Fiber

C - 900um Loose Tube(Red)

F - 900um Loose Tube(White)

T - 3mm Cable(Yellow)

R - 3mm Cable(Blue)

S - Specify

⑦⑦: Fiber Length

0.8 - 0.8m

S - Specify

⑧⑧: Fiber Type

1 - HI 1060

2 - 10/125 N.A 0.08

35 - SCF-UN-10/125 NA0.08

72 - LMA-GDF 10/125-M NA0.075

S - Specify

or PM Fiber Type

1 - PM 980 Panda

2 - PMDC 10/125 N.A 0.08

11 - PMSC 10/125 N.A0.08

S - Specify

Remarks:

1) HPML, High Power Polarization Maintaining Isolators;

2) HPIL, High Power Polarization Insensitive Isolators;

3) Item ④ is for HPML type only.