



High Power Polarization Insensitive Isolator

Features

Optical Path Epoxy-free Design
High Performance
High Reliability
Low Cost
Special Process & Design

Applications

EDFAs
Raman Amplifiers
DWDM Systems
Fiber Lasers
Lab Research

Specifications

| Parameters | Unit | Values | |
|----------------------------------|------|------------------------------|------------|
| | | Single Stage | Dual Stage |
| Stage | | Single Stage | Dual Stage |
| Center Wavelength | nm | 1310, 1480, 1550, 1590, 1620 | |
| Operating Wavelength Range | nm | ±20 | |
| Typ. Peak Isolation | dB | 42 | 58 |
| Min. Isolation at 23°C | dB | 28 | 48 |
| Typ. Insertion Loss at 23°C | dB | 0.35 | 0.4 |
| Max. Insertion Loss at 23°C, λ c | dB | 0.5 | 0.6 |
| Min. Return Loss (Input/Output) | dB | 57 / 55 | 57 / 55 |
| Max.PDL at 23°C | dB | 0.08 | 0.1 |
| Max.PMD | ps | 0.2 ¹ | 0.05 |
| Max. Optical Power (CW) | W | 1, 3, 5, 10 or Specify | |
| Max. Peak Power for ns Pulse | kW | 10 | |
| Max. Tensile Load | N | 5 | |
| Fiber Type | | SMF-28e Fiber | |
| Operating Temperature | °C | -5 to +70 | |
| Storage Temperature | °C | -40 to +85 | |

¹PMD<0.05ps is available. Please refer to below ordering information.

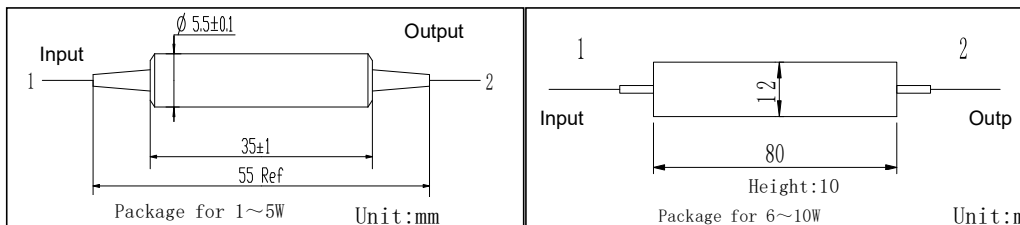
*Above specifications are for device without connector.

*For devices with connectors, IL will be 0.3dB higher and RL will be 5dB lower and optical power is only 1W(CW).

*For pulse application please discuss with Optizone.

*The material must be RoHS compliant.

Package Dimensions



Ordering Information

HP11-①①①①-②-③-④-⑤⑤-⑥⑥-⑦-⑧-⑨

①①①①: Wavelength

1310 - 1310nm

1480 - 1480nm

1550 - 1550nm

S - Specify

②: Stage

S - Single Stage

D - Dual Stage

③: Power Level

1 - 1W

3 - 3W

5 - 5W

10 - 10W

S - Specify

④: PMD

1 - 0.05ps Max.

2 - Refer to above Spec.

⑤⑤: Connector Type on Port 1 & 2

1B - FC/UPC

2B - FC/APC

3D - SC/UPC

4D - SC/APC

N - None

S - Specify

⑥⑥: Fiber Jacket on Port 1 & 2

B - 250um Bare Fiber

F - 900um White Loose Tube

T - 3mm Yellow Cable

S - Specify

⑦: Fiber Type

5 - SMF-28e Fiber

⑧: Fiber Length

1 - 1m

S - Specify

⑨: Package Type

01 - Ø5.5×35

08 - 80*12*10