

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

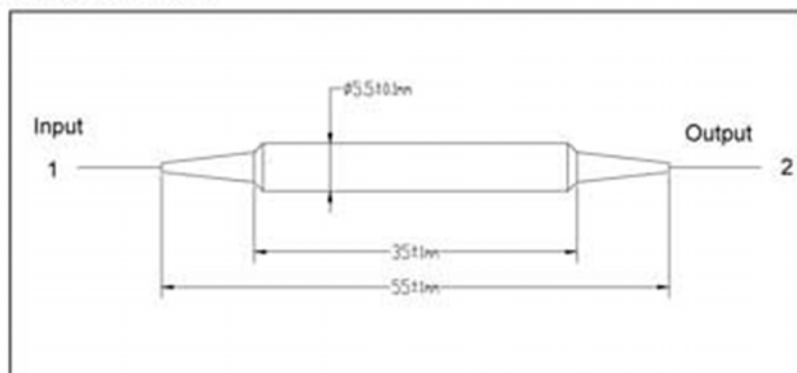
Parameters	Unit	Values	
Stage		Single Stage	Dual Stage
Center Wavelength	nm	1310, 1480 or 1550	
Operating Wavelength Range	nm	±20	
Typ. Peak Isolation	dB	42	58
Min. Isolation at 23°C	dB	28	48
Typ. Insertion Loss at 23°C	dB	0.35	0.4
Max. Insertion Loss at -5°C-70°C	dB	0.5	0.55
Min. Return Loss (Input/Output)	dB	60 / 55	60 / 55
Max.PDL at 23°C	dB	0.05	0.05
Max.PMD	ps	0.2 ¹	0.05
Max. Optical Power (CW)	W	1, 3, 5, 10 or Specify	
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.

Package Dimensions



Ordering Information

HP11-①①-②-③-④-⑤⑤-⑥⑥-⑦

①①: Wavelength

31 - 1310nm

48 - 1480nm

55 - 1550nm

SS - 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

1 - FC/UPC

2 - FC/APC

3 - SC/UPC

4 - SC/APC

N - None

S - Specify

⑥⑥: Fiber Jacket on Port 1 & 2

B - 250um Bare Fiber

L - 900um Loose Tube

C - 3mm Cable

S - Specify

⑦: Fiber Length

1 - 1.0m

S - Specify