

Optizone 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	

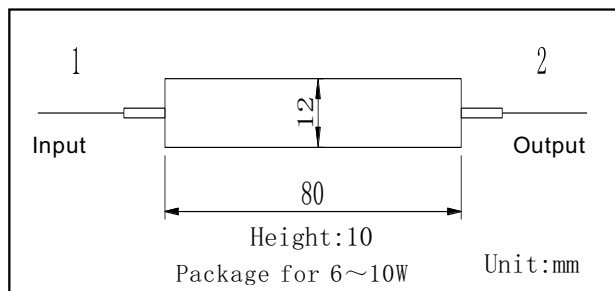
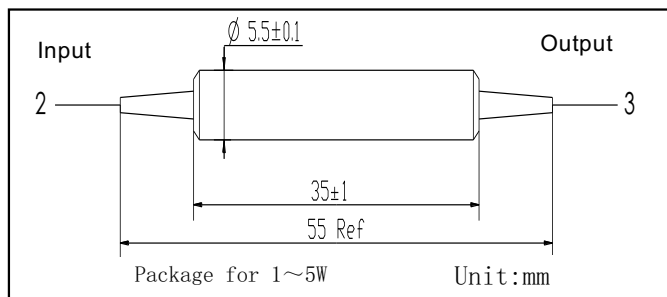
¹PMD<0.05ps is available. Please refer to below ordering information.

*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.

Package Dimensions



Ordering Information

HP11-①①-②-③-④-⑤⑤-⑥⑥-⑦

- ①①: Wavelength
 31 - 1310nm
 48 - 1480nm
 55 - 1550nm
 SS - Specify

- ③: Power Level
 1 - 1W
 3 - 3W
 5 - 5W
 10 - 10W
 S - Specify

- 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

- ②: Stage
 S - Single Stage
 D - Dual Stage

- ④: PMD
 1 - 0.05ps Max.
 2 - Refer to above Spec.

- ⑦: Fiber Length
 1 - 1.0m
 S - Specify