

1310nm 1550nm High Power Isolator Core 1W ~ 10W

Features

Low Insertion Loss
 High Isolation
 High Power Handling

Applications

Fiber Amplifier
 Fiber Laser
 Instrumentation
 Lab Research



Performance Specifications

Parameters	Unit	Values
Stage		Single Stage Dual Stage
Center Wavelength (λ_c)	nm	1310, 1480 or 1550
Operating Wavelength Range	nm	± 10
Typ. Peak Isolation	dB	40 58
Min. Isolation at 23°C, λ_c	dB	38 50
Typ. Insertion Loss	dB	0.15 0.25
Max. Insertion Loss at 23°C, λ_c	dB	0.2 0.35
Max. PDL at 23°C	dB	0.1 0.1
Max. Optical Power (CW)	W	10 10
Max. Tensile Load	N	5
Operating Temperature	°C	-5 to +70
Storage Temperature	°C	-40 to +85

Remark:

- 1 Clear aperture diameter is 4.0mm.
- 2 Below dimensions are the available package dimensions, but there may be slight modification when put into production.

Size



Parameter	Unit	Single Stage	Dual Stage
Outer Diameter	mm	15	
Inner Diameter	mm	5.0	
Length	mm	15	

Ordering Information

HPIIC-①①-②-③		
①①: Wavelength	②: Stage	③: Optical Path Orientation
31 - 1310nm	S - Single Stage	F - Forward
55 - 1550nm	D - Dual Stage	B - Backward
48 - 1480nm		