

High Power Polarization Insensitive Isolator Core

Features

Low Insertion Loss
High Isolation
High Power Handling

Applications

Fiber Amplifier
Fiber Laser
Instrumentation
Lab Research

Specifications

Parameters	Unit	Values	
		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.

Package Dimensions

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

Ordering Information

HPIC-①①-②-③

①①: Wavelength

31 - 1310nm

55 - 1550nm

48 - 1480nm

②: Stage

S - Single Stage

D - Dual Stage

③: Optical Path Orientation

F - Forward

B - Backward