



High Power Polarization Insensitive Isolator Core (HIC Series)

The High Power Polarization Insensitive Isolator Core is characterized with low insertion loss, high isolation, high power handling, high return loss, excellent environmental stability and reliability. It is ideal for ideal for fiber amplifier fiber laser, and instrumentation applications.

Specifications

Parameters	Unit	Single Stage	Dual Stage
Center Wavelength	nm	1310 or 1550	
Typ. Isolation	dB	40	52
Min. Isolation at 23°C	dB	38	48
Max. Insertion Loss at 23°C	dB	0.2	0.35
Max. PDL at 23°C	dB	0.1	0.1
Max. Optical Power, (CW)	W	10	10
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	18.0	13.0
Inner Diameter	mm	8.0	8.0
Length	mm	8.5	16.0

Ordering Information

HIC-①-②②-③

①: Stage

- 1 - Single Stage
- 2 - Dual Stage

③: Optical Path Orientation

- F - Forward
- B - Backward

②②: Wavelength

- 31 - 1310nm
- 55 - 1550nm