

# 0902 1550 nm Isolator (HP)



**HL3203-P**

## 1550 nm PM Optical Isolator, 10 W

The isolator is a single stage, 10 W, 1550 nm optical isolator. It features low insertion loss, high return loss and high isolation. It is a directional optical component used in fiber testing instruments and communication systems, fiber sensor, research.

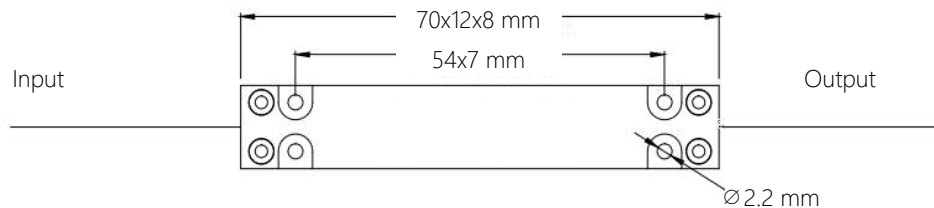
### FEATURES

- Low Insertion Loss
- High Return Loss
- High Isolation
- High Extinction Ratio
- High Stability & Reliability

### USE IN

- Testing Instruments
- Fiber Sensor
- Communication Systems
- Research

### MECHANICAL DRAWING



Center Wavelength	1550 nm
Operating Bandwidth	±20 nm
Isolation ( $\lambda \pm 5$ nm)	28 dB min.
Insertion Loss	0.55 dB max. typ.; 0.6 dB max.
Extinction Ratio	23 dB min.
Return Loss (In/Out)	50/50 dB min.
Fiber Type	Nufern PM-GDF-12/130-M, 250 um Bare Fiber
Power Handling	10 W max.
Tensile Load	5 N max.
Operating Temperature	-5°C to +70°C
Storage Temperature	-40°C to +80°C
Dimension	70x12x8 mm

**Order notes to our customers:** The default parameters are as follows. For special needs, please contact sales.

**1) Connector FC/APC, 900 um, 1 m by default for all devices except for high power devices.**

**2) Slow axis working, fast axis blocked, connector key is aligned to slow axis by default for PM devices.**