

## 0907 780 nm/ 850 nm Isolator (HP)

HL1002-P



### 780 nm High Power In-line Isolator, PM, 20 W

The isolator has very low insertion loss, high return loss, high isolation and high stability & reliability. It can be used for fiber laser, fiber sensor, testing instrument and ultra-fast fiber laser.

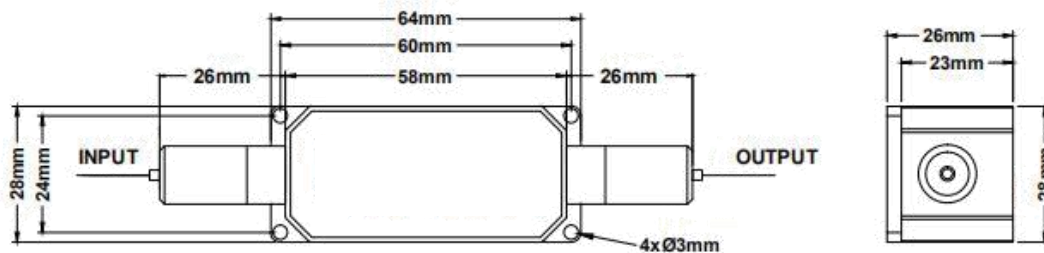
#### FEATURES

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

#### USE IN

- Testing Instrument
- Ultra-fast Fiber Laser
- Fiber Sensor
- Fiber Laser

#### MECHANICAL DRAWING



Center Wavelength	780 nm
Operating Wavelength Range	±5 nm
Peak Isolation	30 dB typ.
Isolation	26 dB min.
Insertion Loss	0.8 dB typ.; 1.0 dB max.
Extinction Ratio	20 dB min.
Return Loss (In/Out)	45 dB min.
Power Handling	20 W max. or Specified
Peak Power for ns Pulse	10 kW or Specified
Dimension	64x28x26 mm
Tensile Load	5 N max.
Operating Temperature	+10°C to +50°C
Storage Temperature	0°C to +60°C

\* With connectors, the handling power is 1 W only, IL is 0.3 dB higher, RL is 5 dB lower, and ER is 2 dB lower.

**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.**