

0901 1064 nm Isolator (HP)

HL2103-S



1064 nm Optical Isolator, Single Stage, 10 W

The isolator is a 1064 nm optical isolator, single stage, 10 W. It guides optical light in one direction and eliminates back reflection and back scattering in the reverse direction at any polarization state. The devices are characterized with high return loss, high reliability and low insertion loss. It has been widely used in fiber amplifier, testing instrument, MOPA fiber laser & fiber laser.

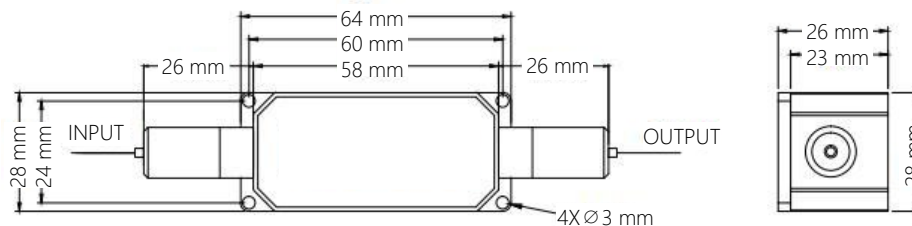
FEATURES

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

USE IN

- Fiber Amplifier
- Testing Instrument
- MOPA Fiber Laser
- Fiber Laser

MECHANICAL DRAWING



| | |
|--|--------------------------|
| Center Wavelength | 1064 nm |
| Operating Wavelength Range | ±5 nm |
| Peak Isolation | 30 dB typ. |
| Isolation | 25 dB min. |
| Insertion Loss | 0.8 dB typ.; 1.0 dB max. |
| Polarization Dependent Loss, Only for PI | 0.15 dB max. |
| Return Loss (In/Out) | 45 dB min. |
| Average Power Handling | 10 W max. |
| Dimension | 64x28x26 mm |
| Peak Power for NS Pulse | 10 kW max. |
| 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.