

0101 Isolator

L3002-S



1310 nm Polarization Insensitive Isolator, Dual Stage, 300 mW

The L3002-S is a 1310 nm polarization insensitive isolator, dual stage, 300 mW. The device is characterized with high isolation, high return loss and low insertion loss. It has been widely used in fiberoptic amplifiers, fiberoptic systems testing, fiberoptic LAN systems and other fiberoptic communication equipments to suppress back reflection and back scattering.

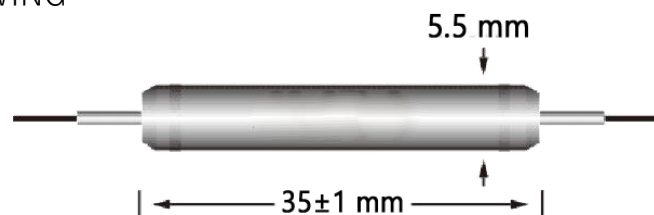
FEATURES

- High Isolation
- Low Insertion Loss
- High Return Loss
- Low Polarization Sensitivity

USE IN

- Fiber Optic Amplifiers
- Fiber Optic Systems Testing
- Fiber Optic LAN Systems
- Telecommunications

MECHANICAL DRAWING



| | |
|------------------------------|--------------------------|
| Operating Wavelength | 1310 nm |
| Isolation | 56 dB typ.; 45 dB min. |
| Insertion Loss | 0.5 dB typ.; 0.7 dB max. |
| Return Loss (In/Out) | 65/60 dB min. |
| PDL | 0.05 dB max. |
| Polarization Mode Dispersion | 0.05 ps |
| Power Handling | 300 mW |
| Fiber Type | SM Fiber |
| Dimension | 5.5 x 5.5 x 35±1 mm |
| Operating Temperature | -10°C to +75°C |

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.