

# 0101 Isolator

L4001-S



## L-band Polarization Insensitive Isolator, Single Stage, 300 mW

The L4001-S is a L-band polarization insensitive isolator, single 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.

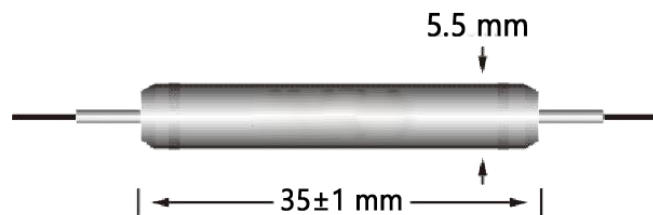
### FEATURES

- 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	1570 nm to 1600 nm
Isolation	41 dB typ.; 30 dB min.
Insertion Loss	0.4 dB typ.; 0.6 dB max.
Return Loss (In/Out)	65/60 dB min.
PDL	0.05 dB max.
Polarization Mode Dispersion	0.25 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.**