

## 0101 Isolator

L1003-S



### 1550 nm Single Stage Optical Isolator, 5 W-Rated Power Handling

The L1003-S is a 1550 nm single stage optical, 5W-rated power handling isolator. 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

Center Wavelength	1550±25 nm
Isolation	35 dB typ.; 30 dB min.
Insertion Loss	0.4 dB typ.; 0.7 dB max.
Return Loss (In/Out)	55 dB min.
Power Handling	5 W
Fiber Type	SM Fiber
Dimension	5.5x5.5x35 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.**