1550nm Reduced Clad In-Line Polarizer

FEATURES:
- Low Insersion Loss
- Near Zero Back Reflection
- High Extinction Ratio
- Wide Wavelength Range
- All-fiber configuration

APPLICATIONS:
- Optical fiber sensors
- Raman amplifiers
- Laser systems
- Optical fiber sensors
- Gyroscope - FOG

Description

The Reduced Cladding In-Line Polarizer is designed to pass light with one specific polarization while blocking the other polarization. It can be used to convert unpolarized to polarized light with high extinction ratio. It can also be used to enhance the extinction ratio of signals with its excellent polarization properties. It is ideal for high-speed communication systems and test instrumentations where high polarization extinction ratio is required. These compact devices provide low insertion loss, extremely low back reflection, good extinction ratio and stability over variety of environmental conditions. In house process expertise allows having extremely tight control on the optical performance, quality and reliability. These devices are designed to meet Telcordia standards GR 1209 and GR 1221

SPECIFICATIONS

Specifications	
Center Wavelength (λc)	**1310, 1480 or 1550 nm**
Operating Wavelength Range	(λc) ±50 nm
Typ. Insertion Loss. 23 ºC	0.3 dB
Max. Insertion Loss	0.6 dB
Grade	Premium P Grade
Typ. Extinction Ratio. 23 ºC	34 dB
Min. Extinction Ratio. 23 ºC	30 dB
Max. Extinction Ratio. 23 ºC	50 dB
Return Loss	50 dB
Input Power	>300mW and 2W
Return loss	>50 dB
Storage Temperature.	-50 to 75°C
Operating Temperature	-40 to 85 °C
Fiber Type RC SMF-28 or RC PM Panda	SM-SM, SM-PM and PM-PM Panda
Pigtail Option	1m fiber standard
Package Size	3 x 55 mm (bare fiber)

IL shall be 0.1 to 0.3dB higher. RL is 2 to 5dB lower, and ER shall be 2dB lower for each
Connector installed. Connector key shall be slow-axis aligned.
FL-RCPIP-PER-WL-I/F fiber-CON-type-Cable-type. (bare fiber or 900um loose cable).
Ordering further Information: Contact: sales@fiberlogix.com.