# Fiberoptic Isolator

Fiberoptic Isolator transmits the forward light but isolate the reflection light. With the metal bonding package technology,the device has low insertion loss,high optical isolation and stability.Both polarization dependent and independent models are available and meet Bellcore GR-1209-CORE specifications.

## Features

- High Isolation
- Low Insertion Loss
- Epoxy-Free Optical Path
- Excellent Stability and Reliability

## Applications

- Fiberoptic Amplifiers
- High-Speed DFB Laser
- CATV Networks
- WDM Systems
- Telecommunication

## Specifications

| | | Single Stage | | Dual Stage | |
|---|---|---|---|---|---|
| Wavelength Range | (nm) | 1310( ±20), 1550( ±20) | | | |
| Grade | | P | A | P | A |
| Maximum Insertion Loss | (dB) | 0.4 | 0.6 | 0.6 | 0.8 |
| Peak Isolation typical | (dB) | 42 | 40 | 58 | 53 |
| Minimum Isoalation(23 ) | (dB) | 32 | 30 | 46 | 45 |
| Polarization Dependent Loss | (dB) | 0.05 | 0.15 | 0.05 | 0.15 |
| Polarization Mode Dispersion | (ps) | 0.20 | 0.25 | 0.05 | 1.10 |
| Return Loss | (dB) | 65/60 | 60/55 | 65/60 | 60/55 |
| Maximum Power Handling | (mw) | 300 | | | |
| Maximum Tensile Load | (N) | 5 | | | |
| Operating Temperature | ($^oC$) | -20~+60(PD:+75) | | | |
| Storage Temperature | ($^oC$) | -40~+85 | | | |

## Ordering Information

ISO-□-□-□-□-□

- Connectors:FC/APC,FC/UPC,SC/APC,SC/UPC,or Others
- Fiber Type:025: ø0.25mm,09:ø0.9mm
- Grade:P:Premium,A:Grade A
- Wavelength:155:1550nm,131:1310nm
- Type:PIS:Polarization Independent,Single Stage
  - PID:Polarization Independent,Dual Stage
  - PD:Polarization Dependent

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