



Polarization-Insensitive Dual Stage 2x2 Dual Optical Isolator



Features

- High Isolation
- Low Insertion Loss
- High Return Loss
- Low Polarization Sensitivity
- Optical Path Epoxy Free

Applications

- Fiberoptic Amplifiers
- CATV Fiberoptic Links
- Fiberoptic Systems Testing
- Fiberoptic LAN Systems
- Telecommunications

Performance Specifications

| Parameter | Premium | A Grade |
|--------------------------------|----------------------------------|---------|
| Operating Wavelength (dB) | 1310 , 1550, 1480 or 1585 | |
| Typical Peak Isolation (dB) | 58 | 53 |
| Minimum Isolation *(dB) | 45 | 44 |
| Typical Insertion Loss**(dB) | 0.7 | 0.8 |
| Maximum Insertion Loss*** (dB) | 0.8 | 0.9 |
| Return Loss (In/Out)(dB) | ≥60/55 | ≥60/55 |
| Cross Talk (dB) | ≥60 | ≥55 |
| PDL (dB) | ≤0.10 | ≤0.15 |
| PMD (ps) | 0.1(0.05 available upon request) | |
| Bandwidth (nm) | ±30 | |
| Operating Temperature (°C) | -20 ~ +70 | |
| Storage Temperature (°C) | -40 ~ +85 | |
| Fiber Type | Corning SMF-28 | |
| Fiber Length (min.) | 1 meter each end | |
| Dimensions (mm) | Φ5.5xL32 | |
| Power Handling(mW) | 300 | |

* At 23°C over bandwidth

** Does not include connector, splice and fiber-end

*** Including PDL, center wavelength ±30 nm, -20°C to +70°C

Ordering Information

| Isolator Type | Wavelength | Grade | Pigtail Style | Fiber Length | Package | In/Out Connector |
|----------------|--|-----------------------------------|--------------------------------|---|-------------|--|
| DIU=Dual Stage | 13=1310nm 14=1480nm 15=1550nm LB=L Band | S=Super P=Premium A=A Grade | 1=Bare Fiber 2=900um Jacket | 1=1.0m 2=1.5m 3=2.0m 4=Custom Length | B=Package B | 0=None 1=FC/APC 2=FC/PC 3=SC/APC 4=SC/PC 5=ST 6=LC |