

1310/1550/High Power Single Stage Optical Isolator

Product Description:

The OIHP Series 1310/1550 high power single stage optical isolator is designed for high power applications by guiding light at 1310/1550nm in the normal direction while minimizing back reflection and back scattering in the reverse direction for any state of polarization. Employing East laser's proven advanced micro optics design, it features low insertion loss, high power handling, high isolation, compact structure, and high stability, these Telcordia qualified components have excellent characteristics, making them an ideal choice for application in fiber amplifier systems, pump laser diodes and optical fiber sensors.



Features:

1. Solid-Stage high Speed
2. Ultra-high reliability
3. Low insertion loss
4. Compact Size
5. Low cost
6. Simple Driver
7. Low power

Applications:

1. optical Blocking
2. configurable operation
3. Instrumentation

Performance Specifications

| 01H PSing Stage | | Specification | | Unit | | |
|---|--------|---------------|--|---------|----------|----|
| Operation Qavelength(λ 0) | 1310 | 1310± 15 | | mm | | |
| | C Band | 1528~1564 | | | | |
| | L Band | 1570~1605 | | | | |
| Typical Insertion Loss(Over λ 0,0~70℃,S0P,no connector) | | | | ≤0.5 | | dB |
| Maximum Insertiov Loss(Over λ 0,0~70℃,S0P,no connector) | | | | ≤0.7 | | dB |
| Minimum Isolation(Over λ 0,0~70℃,S0P)**** | | | | ≥22 | Typ ≥32* | dB |
| Minimum Peak Isolation(Over λ 0,0~23℃,S0P) | | | | ≥28 | Typ ≥38* | dB |
| Polarization Dependant Loss | | | | ≤0.15 | | dB |
| Polarization Mode Dispersion** | | | | ≤0.12 | | ps |
| Retum Loss(Minimum,Input/Output) | | | | ≥55/50 | | dB |
| Operating Temperature | | | | 0~+70 | | ℃ |
| Storage Temperature | | | | -40~+85 | | ℃ |
| Optical Power Handing | | | | ≤5** | | W |

| | | |
|--------------------|--|----|
| Package Dimensions | | mm |
|--------------------|--|----|

Dimensions:

