

## IN-Line Polarizer

### Product Description:

Rayscience's In line optical fiber polarizers are designed to comply with the Telcordia (Balicore)GR-1221-Core specification. The in-line optical fiber polarizers incorporate no free space optics and no internal interfaces to reflect light. This means a small vibration insensitive packaging size and a near zero return loss.



### 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:

Parameter	Specification
Typical Isolation Loss at 23 C(dB )*	0.4
Max. Insertion Loss 0 at 23 C(dB )*	0.6
Typical extinction ratio at 23 C(dB )*	30
Min. extinction ratio at 23 C(dB )*	25
Min. Return Loss(dB)	50
Operation Temperature( C)	-5~+70
Storage Temperature( C)	-40~+85

The above specification is for devices without connectors.

\*For devices with connectors, Insertion Loss will be 0.3dB higher, Return Loss will be 5dB lower, and Extinction Ratio will be 2 dB lower