

Single & Double Stage Isolator



Product Introduction

Optical isolators can block backreflection and backscattering in the reflection direction at any polarization state, they feature low polarization mode dispersion.

Features

- Optical patch Epoxy-free
- High Isolator
- High Return loss
- Low Insertion loss
- Low PMD

Applications

- Optical Amplifiers
- WDM systems

Standards

- Telcordia GR-1221-CORE
- RoHS

Specifications

Parameter	Unit	Single stage	Double stage	Single stage	Double stage
Operating wavelength	nm	1528~1565		1295~1325	1290~1330
Insertion loss* (-5°C ~65°C)	dB	≤0.50	≤0.60	≤0.50	≤0.60
TDL	dB	≤0.15			
Isolation(min) (-5°C ~65°C)	dB	≥21	≥38	≥21	≥32
PDL	dB	≤0.1			

PMD	ps	≤ 0.05
In/Out Return loss	dB	$\geq 60/55$
Connector loss (25°C)	dB	≤ 0.2
Maximum optical power	mW	≤ 500

Insertion loss*: exclude connector loss.

Ordering Information

ISO-□-□-□-□-□-□-□

- Package: M: $\Phi 3.0$ mini type , standard type can omit this option
- Connector: 00: no connector , FC、SC、LC/PC、APC
- Fiber length.: 1:1.0m, customer specify
- Fiber Dia.: 09: $\Phi 0.9$ mm, 025: $\Phi 0.25$ mm
- Grade: P: P grade, A: A grade
- Wavelength: 1310:1310nm, 1550:1550nm
- Type: PIS: Polarization independent, single stage
PID: Polarization independent, dual stage
PISL:low polarization mode dispersion