

POLARIZATION INSENSITIVE FIBER ISOLATOR ARRAY (SINGLE STAGE)

OISA Series

Features

- ◆ Wide Operating Wavelength Range and Temperature Range
- ◆ Low Insertion Loss
- ◆ High Isolation
- ◆ Ultra Low PDL & Option for Ultra Low PMD
- ◆ Highly Stable & Reliable
- ◆ Epoxy-Free Optical Path
- ◆ Compact Package Size

Applications

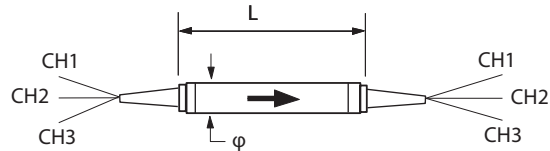
- ◆ EDFA & Raman Amplifiers
- ◆ CATV Fiberoptic Links
- ◆ WDM Systems
- ◆ Fiberoptic Instruments
- ◆ Transmitters and Fiber Lasers
- ◆ Laboratory R&D
- ◆ Arrayed Modules

Oplink Fiber Optic Product Lines

- ◆ Amplifier Components
- ◆ Amplifier Modules
- ◆ DWDMs
- ◆ Switching/Routing/
- ◆ Monitoring/ Conditioning
- ◆ Transmission
- ◆ RGB Laser Modules

Polarization Insensitive Fiber Isolator Array (Single Stage)

Oplink's single-stage, multi-port isolator is an array device with the identical package size of a single-port isolator. It offers port options of dual or triple ports on both input and output sides. The Oplink isolator array minimizes back reflection and back scattering in the reverse direction for any state of polarization. It features low cost with high performance including low insertion loss, low channel cross talk, high return loss, low polarization dependent loss (PDL) and low polarization mode dispersion (PMD). Oplink's innovative array solution provides significant space savings in EDFA array or multistage EDFA applications.



Performance Specifications

OISA Series	Premium	Grade A	Unit
Operating Wavelength Range	1310±15 or 1480±15 or 1528~1564 or 1570~1605		nm
Insertion Loss	< 0.6	< 0.8	dB
Isolation (over wavelength range, 0~70°C, all SOP)	> 22	> 21	dB
Polarization Dependent Loss	< 0.1	< 0.15	dB
Return Loss	> 50		dB
Polarization Mode Dispersion (Regular)	<0.25		ps
Polarization Mode Dispersion (Low PMD)	< 0.05		ps
Maximum Power Handling	2000		mW
Channel Crosstalk	> 55		dB
Operating Temperature	0 to +70		°C
Storage Temperature	-40 to +85		°C
Package Dimensions	(φ) 5.5 x (L) 34		mm
Pigtail Coloring (both sides)	Ch.1 = Red	Ch.2 = Black	Ch.3 = Clear

Values are referenced without connector loss.

* The mechanical tolerance should be +/- 0.2 mm on all package dimensions unless otherwise custom specified.



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Ordering Information

Oplink custom designs and manufactures high performance fiber optic networking components and integrated optical modules. Oplink can provide a remarkable range of customized optical solutions to meet your specific design needs. By combining our technical expertise with our extensive micro-optic manufacturing and packaging capability, your volume requirements for components and customized integrated products can be met. We are happy to discuss your requirements. Please contact Oplink's OEM Design Team or Sales Representative for ordering and price information (510) 933-7200.

