

SINGLE STAGE MINI DUAL OPTICAL ISOLATOR

Mini OISA Series

Features

- ◆ Low Insertion Loss
- ◆ Low Polarization Dependent Loss
- ◆ High Isolation
- ◆ High Crosstalk Between Different Channels
- ◆ Highly Stable & Reliable
- ◆ Epoxy-Free Optical Path
- ◆ Extremely Compact Size
- ◆ Completely Passive

Applications

- ◆ Fiberoptic Amplifier
- ◆ CATV Fiberoptic Links
- ◆ WDM system
- ◆ Fiber optic instruments

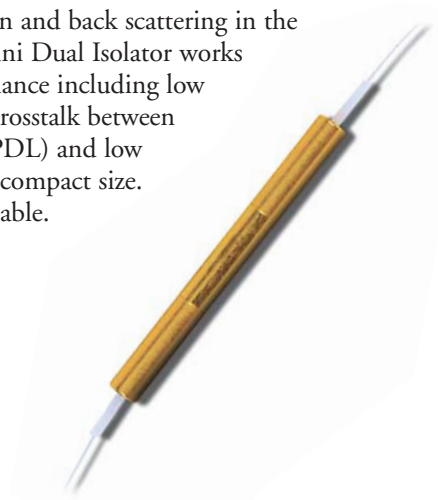
Oplink Fiber Optic Product Lines

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

SINGLE STAGE MINI DUAL OPTICAL ISOLATOR

Oplink's Mini Dual Isolator minimizes back reflection and back scattering in the reverse direction for any state of polarization. The Mini Dual Isolator works as two individual fiber isolators with excellent performance including low insertion loss, high isolation, high return loss, high Crosstalk between different channels, low polarization dependent loss (PDL) and low polarization mode dispersion (PMD) with extremely compact size. Reduced cladding fiber pigtail package option is available.

Oplink can provide customized designs to meet specialized feature applications. Also, Oplink offers modular assemblies that integrate other components to form a full function module or subsystem.

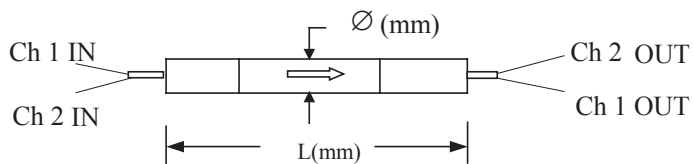


Performance Specifications

Parameter	Min	Typical	Max.	Units
Operating Wavelength Range λ_o	1528 ~ 1564 or 1570 ~ 1605			nm
Isolation (@ 23°C, λ_o , All SOP)	28			dB
Isolation (@ 0 ~ 70 °C, λ_o , All SOP)	21			dB
Insertion Loss (@ 0 ~ 70 °C, λ_o , All SOP)		0.45	0.6	dB
Return Loss (Input / Output)	55/50	60/55		dB
Crosstalk between different channels	55			dB
Polarization Dependent Loss (PDL)		0.1	0.15	dB
Polarization Mode Dispersion (PMD)			0.25	ps
Maximum Power Handling			500	mW
Operating temperature, T _{op}	0		70	°C
Storage temperature	-40		85	°C
Humidity ¹	0		85	%
Fiber Type	Corning SMF-28, 250 μ m Bare Fiber PureMode RC SMF-28 80 μ m			
Connector Type	None			
Port Color Coding	Ch 1: Red, Ch 2: Clear			
Package Dimension	(φ)3.0 x (L)25			mm

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Mechanical Footprint Dimension (unit: mm)



Ordering Information

Oplink can provide a remarkable range of customized optical solutions. For detail, please contact Oplink's OEM design team or account manager for your requirements and ordering information (510) 933-7200.

OISA

Wavelength				Grade		Port #	Package Type			Fiber Length		Connector Type
1550 nm=1550 1585 nm=1585				P Grade = P A Grade = A		Dual=D	P3 = 3			1.0 meter = 1 1.5 meter = 5 2.0 meter = 2 0.5 Meter = H		None = 1 FC/PC=2 FC/SPC=3 FC/APC=4 SC/PC=5 SC/SPC=6 SC/APC=7 ST=8 LC=9 MU=A
						Fiber Type						
						SMF-28 250 μm = 1 PureMode RC SMF-28 80μm =8*						

Note: *no connector options for PureMode RC SMF-28 80μm fiber.

