

MINI WDM/ISOLATOR HYBRID

Mini WDIH Series

Features

- Wide Operating Wavelength Range
- Compact Size
- High Isolation
- Ultra Low PDL & PMD
- Highly Stable & Reliable
- Small Package Dimension
- Epoxy-Free Optical Path

Applications

- EDFA
- Raman Amplifiers

Mini WDIH FOR EDFA

Oplink's WDIH is a combination of a 1480/1550(1585)nm filter and a 1550(1585)nm polarization insensitive optical isolator. The Mini WDIH is a low cost model with excellent performance including low insertion loss, high isolation, high return loss, and low polarization dependent loss (PDL). This product offers integrated solutions to EDFA applications by combining more functions into a very compact package. The product package dimension is about 3.0x30mm.

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_s)	1528 ~ 1564 or 1570 ~ 1604			nm	
Pump channel Wavelength Range (λ_p)	1465~1495			nm	
Channel Isolation (over λ_s , 0~70°C, all SOP)	Single Stage	21		dB	
	Dual Stage	36		dB	
Isolation (Pump Channel @ λ_s)	15			dB	
Isolation (Signal Channel @ λ_p)	25			dB	
Insertion Loss (Over wavelength range and 0~70°C, all SOP)	Pump channel		0.5	dB	
	Signal channel	Single Stage	0.7	dB	
		Dual Stage		0.9	dB
WDL				0.25	dB
Return Loss	55			dB	
Polarization Dependent Loss (PDL)	Single Stage			0.10	dB
	Dual Stage			0.15	dB
Polarization Mode Dispersion (PMD)	Single Stage			0.25	ps
	Dual Stage			0.05	ps
Directivity	55			dB	
Maximum Power Handling				500	mW
Operating temperature	0			70	°C
Storage temperature	-40			85	°C
Fiber Type	SMF-28, 250 μ m Bare Fiber				
Package Dimension	(φ)3.0 x (L)30			mm	

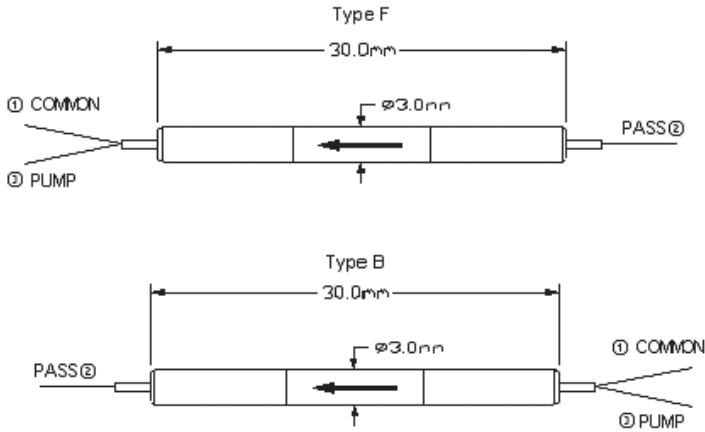
Oplink Fiber Optic Product Lines

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



MINI WDM/ISOLATOR HYBRID FOR EDFA

Mechanical Footprint Dimension (unit: mm)



Ordering Information

Oplink can provide a 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.

