

Isolator WDM Hybrid (IWDM)

Features

- Low insertion loss, high isolation
- Low PDL & PMD
- Integrated devices, compact size
- Optical path epoxy free
- Telcordia compliant
- RoHS compliant



Applications

- EDFA
- Fiber-optic instruments

Main Specifications

Parameter			Specification				Unit
Operating Wavelength			980/1550		1480/1550		
Single/Dual Stage			Single	Dual	Single	Dual	
Signal Port	Wavelength Range (λ_s)		1530 ~ 1565		1530 ~ 1565		nm
	Insertion Loss @ λ_s^1	Typical	0.8	0.9	0.7	0.8	dB
	Insertion Loss @ λ_s^2	Max	1.1	1.2	1	1.1	dB
	Isolation @ λ_s^1	Min	30	44	30	44	dB
	PDL	Max	0.1	0.1	0.1	0.1	dB
	PMD	Max	0.05	0.05	0.05	0.05	ps
Pump Port	Wavelength Range (λ_p)		960 ~ 990		1460 ~ 1490		nm
	Insertion Loss @ λ_p^1	Typical	0.4	0.4	0.4	0.4	dB
	Insertion Loss @ λ_p^2	Max	0.6	0.6	0.6	0.6	dB
	Isolation @ λ_s^1	Min	15	15	15	15	dB
	PDL	Max	0.1	0.1	0.1	0.1	dB
Return Loss		Min	50	50	50	50	dB
Directivity		Min	50	50	50	50	dB
Operating Temperature Range			-5 ~ +75				°C
Storage Temperature Range			-40 ~ +85				°C
Maximum Power Handling			300				mW
Package Dimension (L* $\varnothing$)			38*5.5 (Standard Size) 30*3.0 (Mini Size)				mm

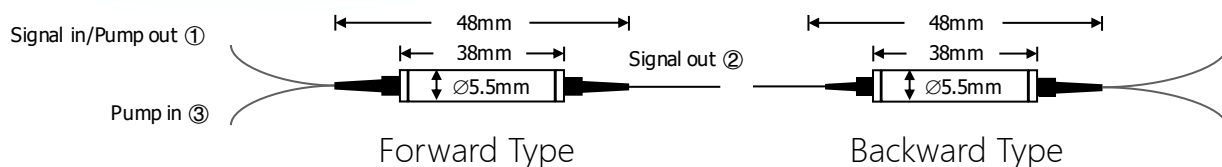
Notes:

- Tested at 23°C, all SOP, and values referenced without connector.
- Tested at -5 ~ 75°C, all SOP, and values referenced without connector.

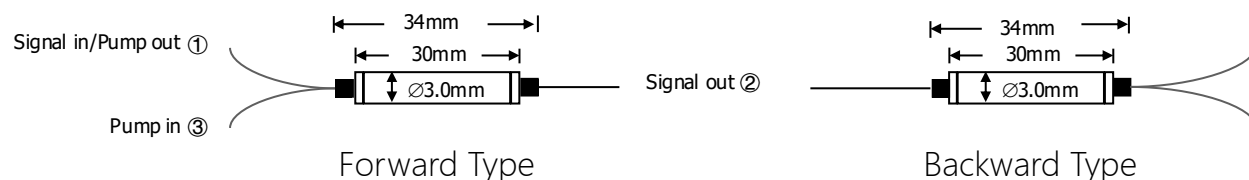


Mechanical Dimensions

Standard Size



Mini Size



Order Information

IWDM-A-B-C-D-E-F

A	Standard/Mini Size	S: standard size M: mini size
B	Operating Wavelength	95: 980/1550 45: 1480/1550
C	Single/Dual Stage	S: single stage D: dual stage
D	Forward/Backward Type	01: forward type 02: backward type
E	Fiber Type	1: 250 μ m bare fiber 2: 900 μ m tight buffer fiber (standard size)
F	Connector Type	0: without connector 1: FC/PC 2: FC/UPC 3: FC/APC 4: SC/PC 5: SC/UPC 6: SC/APC 7: ST 8: LC 9: MU X: customized

Example

Part number of "IWDM-S-95-S-01-1-X" represents an Isolator WDM Hybrid (IWDM) with:

- standard size
- 980/1550 operating wavelength
- single stage
- forward type
- 250 μ m bare fiber
- customized connector

Please contact our Sales to discuss your specific requirements.