

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



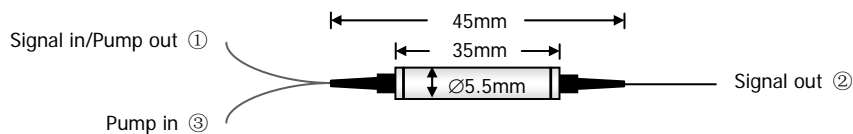
Specifications

Parameter		Specification				Unit	
Operating Wavelength		980/1550		1480/1550			
Single/Dual Stage		Single	Dual	Single	Dual		
	Wavelength Range (λ_s)	1530~1565		1530~1565		nm	
Signal Port	Insertion Loss@ λ_s^1	Typ	0.8	0.9	0.7	0.8	dB
	Insertion Loss@ λ_s^2	Max	1.1	1.2	1.0	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
	Wavelength Range (λ_p)	960~990		1460~1490		nm	
Pump Port	Insertion Loss@ λ_p^1	Typ	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		0~+70				°C	
Storage Temperature Range		-40~+85				°C	
Maximum Power Handling		300				mW	
Package Dimension (L* \varnothing)		35*5.5				mm	

1. Tested at 23°C, all SOP, and values referenced without connector.

2. Tested at 0~70°C, all SOP, and values referenced without connector.

Dimension



Order Information

IWDM – A – B – C – D – E

A	Operating Wavelength	95: 980/1550 45: 1480/1550
B	Single/Dual Stage	P: Single stage with PMD D: Dual stage
C	Forward/Backward Type	01: Forward Type 02: Backward Type
D	Fiber Type	1: 250µm bare fiber 2: 900µm tight buffer fiber
E	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