

Isolator WDM Hybrid (IWDM)

Features

- Low Insertion Loss and high isolation
- Low PDL & PMD
- Optical path epoxy free
- Telcordia compliant
- RoHS compliant

Applications

- EDFA
- WDM system
- Fiber optic instruments



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_s1	Typ	0.8	0.9	0.7	0.8	dB
	Insertion Loss@ λ_s2	Max	1.1	1.2	1	1.1	dB
	Isolation@ λ_s1	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
Signal Port	Wavelength Range (λ_p)		960~990		1460~1490		nm
	Insertion Loss@ λ_p1	Typ	0.4	0.4	0.4	0.4	dB
	Insertion Loss@ λ_p2	Max	0.6	0.6	0.6	0.6	dB
	Isolation@ λ_p1	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

Order Guide

Operating Wavelength	Single/Dual Stage	Forward/Backward Type	Fiber Type	Connector Type
95: 980/1550	P: Single stage with PMD	01: Forward Type	1: 250 μ m bare fiber	0: Without connector
45: 1480/1550	D: Dual stage	02: Backward Type	2: 900 μ m tight buffer fiber	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