

## 1310/1550/1590nm In-Line Isolator

### 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	Raman Pump Combiner				Unit
Center Wavelength ( $\lambda_c$ )	1310/1550/1590				nm
Standard	Standard Size / Mini Size				
Single/Dual Stage	Single(Grade P)	Single(Grade A)	Dual(Grade P)	Dual(Grade P)	
Isolation (at $\lambda_c \pm 15\text{nm}$ ) 1	Min	30	28	45	45
Isolation (at $\lambda_c \pm 15\text{nm}$ ) 2	Min	22	22	42	42
Insertion Loss (at $\lambda_c$ ) 1	Typ	0.4	0.5	0.5	0.5
Insertion Loss (at $\lambda_c \pm 15\text{nm}$ ) 2	Max	0.5	0.6	0.6	0.6
Return Loss (Input/Output)	Min	60/55	55/55	60/55	60/55
PDL	Max	0.05	0.08	0.08	0.08
PMD	Max	0.05	0.05	0.05	0.05
Operating Temperature Range	0~+70				ps
Storage Temperature Range	-40~+85				°C
Maximum Power Handling	500				°C
Package Dimension (L*Φ)	Standard Size		40*5.5		mW
	Mini Size		26*3.0		mm

### Order Guide

Single/Dual Stage	Grade	Standard/Mini Size	Fiber Type	Connector Type
S: Single stage without PMD	P: P-grade	31: 1310nm	1: 250 $\mu\text{m}$ bare fiber	0: Without connector
D: Dual stage	A: A-grade	55: 1550nm	2: 900 $\mu\text{m}$ tight buffer fiber	1: FC/PC
P: Single stage with PMD		59: 1590nm		2: FC/UPC
				3: FC/APC
				4: SC/PC
				5: SC/UPC
				6: SC/APC
				7: ST
				8: LC 9: MU
				X: Customized