

In-line Isolator

Features:

- High Isolation
- Low Insertion Loss
- Low PDL
- High Return Loss

Applications:

- EDFA
- Fiber Laser
- Test Instrument
- Fiber Sensor



Specifications:

Parameters	Unit	Single Stage	Dual Stage
Operating Wavelength	nm	1310, 1480, 1550, 1600	
Isolation($\lambda_c \pm 20\text{nm}$, 23°C, all SOP)	dB	≥ 27	≥ 50
Isolation($\lambda_c \pm 20\text{nm}$, 0~70°C, all SOP)	dB	≥ 20	≥ 40
Insertion Loss($\lambda_c \pm 20\text{nm}$, 23°C, all SOP)	dB	≤ 0.3	≤ 0.4
Insertion Loss($\lambda_c \pm 20\text{nm}$, 0~70°C, all SOP)	dB	≤ 0.5	≤ 0.6
PDL	dB	≤ 0.05	≤ 0.1
PMD	Ps	≤ 0.25	≤ 0.05
Return Loss	dB	≥ 60	≥ 60
Maximum Power Handling	mW	300	
Operating Temperature	°C	0~+70	
Storage Temperature	°C	-40~+85	
Package Dimension	mm	SB: $\Phi 4.5 \times 35$	
		SL: $\Phi 5.5 \times 40$	
		CB: $\Phi 3 \times 25$	
		CL: $\Phi 3 \times 25$	

1. All specifications include the effect of all states of polarization.

2. Values referenced without connectors, insertion loss for a connector-pair is 0.20dB to 0.30dB.

3. Package dimension excludes rubber boot.