

In-Line Isolator

Features

- Low insertion loss and high isolation
- Optical path epoxy free
- Low PDL & PMD
- Telcordia compliant
- RoHS 6/6 compliant



Applications

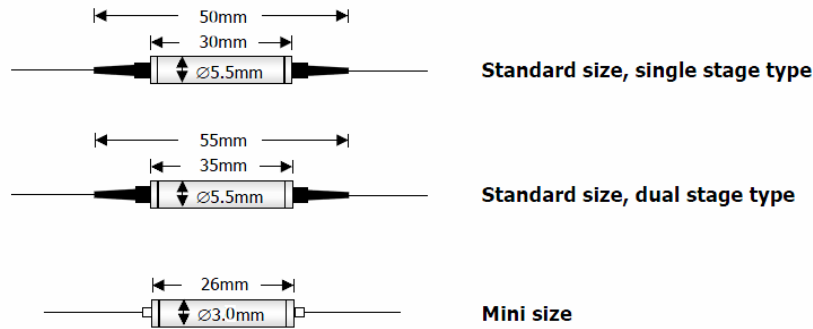
- Fiber-optic components
- DWDM/CWDM
- EDFA

Specifications

Parameters	Unit	Index						
Center Wavelength (λc)	nm	1310/1550/1590						
Standard/Mini Size		Standard Size				Mini Size		
Single/Dual Stage		Single (w/o PMD)		Single (with PMD)		Dual	Single	Dual
Isolation (at λc±15nm) 1	dB	Min	32	32	46	30	46	
Isolation (at λc±15nm) 2	dB	Min	22	22	40	20	36	
Insertion Loss (atλc) 1	dB	Typ	0.4	0.4	0.5	0.4	0.6	
Insertion Loss (atλc±15nm)2	dB	Max	0.6	0.6	0.7	0.6	0.8	
Return Loss(Input/Output)	dB	Min	60/55	60/55	60/55	55/55	55/55	
PDL	dB	Max	0.05	0.05	0.05	0.1	0.1	
PMD	ps	Max	0.02	0.02	0.02	0.02	0.02	
Operating Temperature Range	°C	-5~+70						
Storage Temperature Range	°C	-40~+85						
Maximum Power Handling	mW	500						
Package Dimension (L*∅)	mm	30*5.5			35*5.5	26*3.0		
Parameter	Unit	Specification						
Center Wavelength (λc)	nm	1064						
Single/Dual Stage			Single Stage			Dual Stage		
Isolation (at λc) 1	dB	Min	25			48		
Insertion Loss (at λc) 1	dB	Typ	1.8			3.5		
Insertion Loss (at λc) 2	dB	Max	2.5			4.5		
Return Loss (Input/Output)	dB	Min	60/55			60/55		
PDL	dB	Max	0.1			0.1		
Operating Temperature Range	°C	-5~+70						
Storage Temperature Range	°C	-40~+85						
Maximum Power Handling	mW	150						
Package Dimension (L*∅)	mm		30*5.5			35*5.5		

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



Ordering Information: ISO-A-B-CD-E-F-G

A	Single/Dual Stage	S: Single stage without PMD
		D: Dual stage
		P: Single stage with PMD
B	Grade	P: P-grade
CD	Center Wavelength	31: 1310nm
		55: 1550nm
		59: 1590nm
		64: 1064nm
E	Fiber Type	1: 250μm bare fiber
		2: 900μm tight buffer fiber
F	Size	1: Standard size
		2: Mini size
G	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