

Tap Isolator

Features:

- Low Loss
- Compact Size
- Low Cost Compared to Separate Components
- Various Tap Ratios Available
- RoHS Compliant

Applications:

- Fiber Amplifiers
- Hybrid Device
- Performance Monitoring



Specifications^{1,2}:

Parameter	Unit	Single Stage	Dual Stage
Central Wavelength (λ c)	nm	1550	
Isolation (λ c+/-15nm, 23°C, All SOP)	Min. dB	30	45
Isolation (λ c+/-15nm, 0~70°C, All SOP)	Min. dB	20	34
Insertion Loss (λ c, 23°C, All SOP)	Typ. dB	0.6	0.8
Insertion Loss (λ c+/-20 nm, 0~70°C, All SOP)	Max. dB	0.85	1.0
Tap Ratio ³ (λ c+/-20nm, 23°C, All SOP)	1% dB	19~21	
Directivity	Min. dB	60	
PDL (23°C, All SOP)	Max. dB	0.10	
PMD	Max. ps	0.10	
Return Loss	Min. dB	55	
Fiber Type	Corning SMF-28e		
Fiber Length	Min. m	1.0	
Power Handling	Max. mW	500	
Operating Temperature	°C	0~70	
Storage Temperature	°C	-40~85	
Package Dimension	Max. mm	(f)5.5´(L)36	

1. SOP=State of Polarization.

2. Values referenced without connectors.

3. Tap Ratio 3%, 5% also available.

Note: OEM products with different specifications are also available.

Configuration:

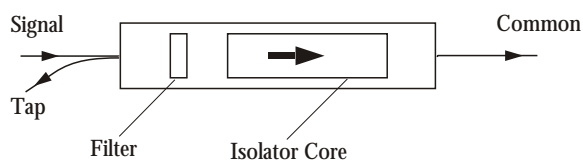


Figure 1. Tap Isolator Configuration

Dimension:

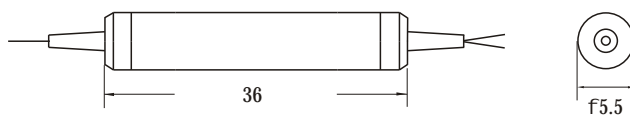


Figure 2. Tap Isolator

Order Information:

TISO - X - XXXX - XXXX - XX - XX
 A B C D E

A	Type	S=Single stage
		D=Dual stage
B	Fiber Type	250S=250mm bare fiber
C	Wavelength	1550=1550nm
		01=1%
D	Tap Ratio	03=3%
		05=5%
		NN=W/O connector
E	Connector	XY=With connector ¹

1. Please specify the type of connector when ordering.

Mechanical Type	Other	SC	FC	ST	MU	LC
X	0	1	2	3	4	5
Physical Contact Type	Other	PC	UPC	APC		
Y	0	1	2	3		