

Tap Isolator

Features:

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

Applications:

- Fiber Amplifiers
- Hybrid Device
- Performance Monitoring



Specifications^{1,2}:

Parameter	Unit	Single Stage	Dual Stage
Central Wavelength (λ_c)	nm		1550
Isolation ($\lambda_c \pm 15$ nm, 23 °C, All SOP)	Min. dB	30	45
Isolation ($\lambda_c \pm 15$ nm, 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 ($\lambda_c \pm 20$ nm, 0~70 °C, All SOP)	Max. dB	0.85	1.0
Tap Ratio ³ ($\lambda_c \pm 20$ nm, 23 °C, All SOP)	1% dB		19~ 21
Directivity	Min. dB		60
PDL (23 °C, All SOP)	Max. dB		0.10
PMD	Max. ps		0.20
Return Loss	Min. dB		55
Fiber Type		Corning SMF-28	
Fiber Length	Min. m		1.0
Power Handling	Max. mW		1,000
Operating Temperature	°C		0~70
Storage Temperature	°C		- 40~85
Package Dimension	Max. mm		(ϕ)5.5 × (L)32

1. SOP=State of Polarization.

2. Values referenced without connectors.

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

Note: OEM products with different specifications are also available.

Configuration:

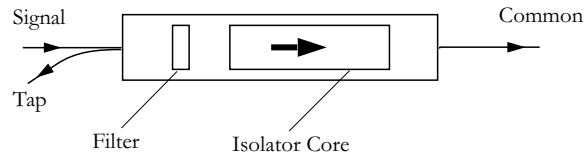


Figure 1. Tap Isolator Configuration

Dimension:

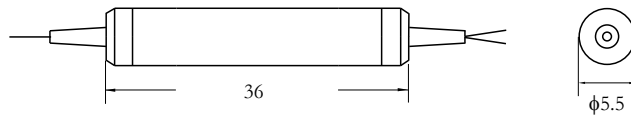


Figure 2. Tap Isolator

Order Information:

TISO - $\frac{X}{\text{A}}$ - $\frac{\text{XXXX}}{\text{B}}$ - $\frac{\text{XXXX}}{\text{C}}$ - $\frac{\text{XX}}{\text{D}}$ - $\frac{X}{\text{E}}$

A	Type	S=Single stage
		D=Dual stage
B	Fiber Type	250S=250 μm bare fiber
		900L=900 μm loose tube
C	Wavelength	1550=1550 nm
D	Tap Ratio	01=1%
		03=3%
		05=5%
E	Connector	N=W/O connector
		Y=With connector ¹

1. Please specify the type of connector when ordering.