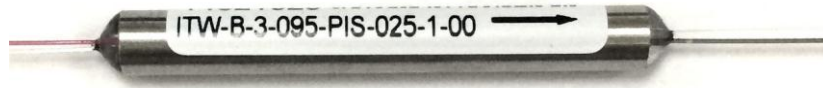


Tap Coupler+WDM+Isolator Hybrid Combination



Production Description

The ITW is combinationed by a tap coupler,a wavelength division multiplexer and an isolator in a compact package. This product is widely used in EDFAs.It has an extremely low insertion loss, and a stable tap-coupling ratio.

It can be customized designed to meet specialized feature applications.

Features

- Low Insertion Loss
- High Isolation
- Low Polarization dependent loss
- High Stability and Reliability

Applications

- EDFAs
- WDM Systems
- CATV Fiberoptic Links
- Laboratory R&D

Standards

- Telcordia GR-1221-CORE
- RoHS

Specifications

Parameter		Unit	Value	
			Single Stage	Dual Stage
Operating Wavelength Range		nm	1550/980	
Signal Band(λ_s)		nm	1528~1569	
Pump Band(λ_p)		nm	965~990	
Insertion Loss	Signal Port	dB	≤ 1.4	≤ 1.5
	Pump Port	dB	≤ 0.6	≤ 0.6
Tap Port Insertion	2% Tap	dB	16.5~18.0	
	3% Tap	dB	14.6~16.2	

Loss	5% Tap	dB	12.2~14	
Isolation	Signal to Com@ λ_p	dB	≥ 21	≥ 36
	Pump to Signal@ λ_s	dB	≥ 13	≥ 13
Return Loss		dB	≥ 45	
WDL(λ_s)		dB	≤ 0.5	
Polarization Dependent Loss		dB	≤ 0.15	
Polarization Mode Dispersion(standard)		ps	≤ 0.05 (Low PMD), ≤ 0.10 (Normal)	
Directivity		dB	≥ 50	
Maximum Power Handling		mw	≤ 300	
Operating Temperature		$^{\circ}\text{C}$	$-5\sim+70$	
Storage Temperature		$^{\circ}\text{C}$	$-40\sim+85$	
Package Dimension		mm	$\Phi 3.5 \times 29$	
Fiber type	Com & Tap		SMF-28e or G657(A,B)	
	Pump & Signal	Unit	OFS980-16	

Note: All Insertion Loss including PDL, TDL and WDL.

Ordering Information

ITW- □-□-□-□-□-□-□

- Connectors: FC/UPC, SC/UPC, LC/UPC, 00: No Connector
- Fiber Length: 1: 1.0m; customer specify
- Fiber Dia.: 09: $\Phi 0.9\text{mm}$, 025: $\Phi 0.25\text{mm}$; customer specify
- Type: PISL: Low PMD, Single Stage; PIS: Single; PID: Dual
- Wavelength: 095: 980/1550; 145: 1480/1550
- Tap Ratio: 2: 2%; 3: 3%; 5: 5%
- Pump Location: A: Pump before ISO; B: Pump after ISO