Optics-Forest

Tap+Isolator+WDM Hybrid Device (980/1550 TIWDM)

Product Description

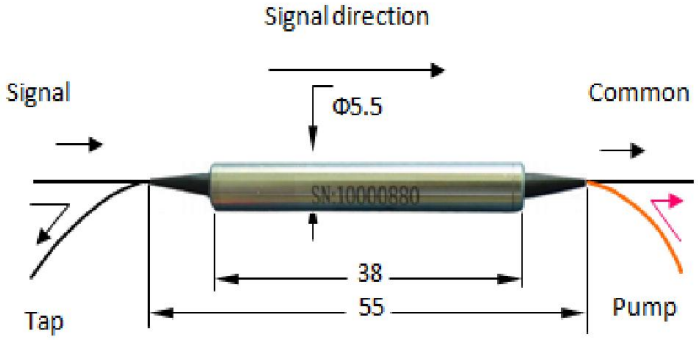
The Hybrid device combines 3-function: Tap, isolator and WDM into one compact package, it can be built as customer request, tap ratio

Product Applications

- Wide Operating Wavelength
- Low IL & PDL & High Isolation
- High Stability and Reliability

Product Features

- Fiber Amplifier
- WDM System
- Fiber optic Instrument



Specifications

Parameter		Unit	980/1550	
Isolator stage		-	Single stage	Dual stage
Signal Wavelength Range		nm	1528-1564(C Band) or 1570-1605 (L Band)	
Pump Wavelength Range		nm	965-1000	
Isolation at To*		dB	⩾30	⩾45
Isolation at To*	Signal Channel	dB	⩾12	
	Pump Channel		⩾30	
Insertion Loss at To*	Pump Channel	dB	⩽0.6	⩽0.6
	Signal Channel**		⩽1.0	⩽1.2
	Tap 1%		1% ± 0.2%	
	Tap 2%		2% ± 0.4%	
	Tap 5%		5% ± 1.0%	
Wavelength Dependent Loss (WDL)		dB	⩽0.5	⩽0.5
Polarization Dependent Loss (PDL)		dB	⩽0.1	⩽0.2
Polarization Mode Dispersion (PMD)		ps	⩽0.25	⩽0.05
Return Loss (RL)		dB	⩾50	
Directivity (Dir)		dB	⩾55	
Fiber Type	Common /Pump Port	-	HI1060	
	Signal/Tap port		SMF-28e	
Optical Power		mW	⩽300	
package dimensions		mm	Φ5.5*38	
Operating Temperature		℃	-5 to +70	
Storage Temperature		℃	-40 to +85	

* The signal IL will increase 0.2dB for 5% tap condition.
* Above specifications are for device without connector.
* For devices with connectors, please refer to patchcord spec, the "fiber length" is with connectors.

Ordering Information						
TIWDM	**Tap ratio**	**stage**	**Wavelength**	**Pigtail Type**	**Fiber Length**	**Connector**
2x2	**1/99 5/95 Specify**	**Single Dual**	**980/1550nm Specify**	**250um bare fiber 900um loose tube Specify**	**0.5m 1m 1.5m 2m Specify**	**N=None FC/APC FC/UPC SC/APC SC/UPC LC/UPC Specify**