

Tap/Isolator/Filter Wavelength Division Multiplexer Hybrid

Features

Input Signal Power Monitoring
Pump / Signal Multiplexing
Insertion Function

Applications

EDFAs
Fiber Lasers

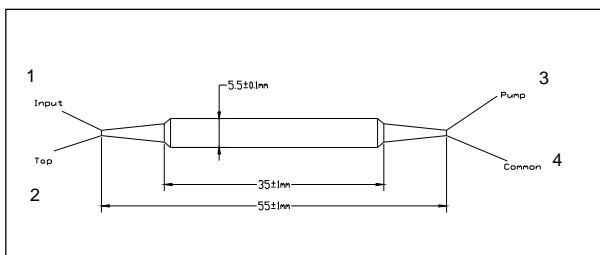
Specifications

Parameters		Unit	Values	
Stage			Single Stage	Dual Stage
Pass Band	Wavelength Range	nm	1530-1580	
	Max. Insertion Loss (for 980nm Pump) at I→C T for 1%,2%,3%	dB	1.0	1.2
	for 4%,5%		1.2	1.4
	for 10%		1.5	1.7
	Max. Insertion Loss (for 1480nm Pump) at I→C T for 1%,2%,3%	dB	1.0	1.2
	for 4%,5%		1.1	1.3
	for 10%		1.3	1.5
	Min. Isolation at 23°C (1550±15 for S. Stage, 1550±30 for D. Stage)	dB	30	40
Max. PDL	dB	0.1	0.2	
Max. PMD	ps	0.25	0.1	
Reflection Band	Wavelength Range 980 Pump	nm	950-1010	
	1480 Pump	nm	1450-1490	
	Typ. Insertion Loss at C→P	dB	0.3	
	Max. Insertion Loss at C→P	dB	0.5	
	Max. PDL	dB	0.05	
980 and 1480 Tap Port I→T				
Max. insertion Loss at I→T for 10%		dB	11.5	11.5
Coupling Ratio		%	1±0.2, 2±0.4, 3±0.6, 4±0.8, 5±1	
Min. Return Loss		dB	50	
Max. Optical Power (CW)		mW	500	
Max. Tensile Load		N	5	
Fiber Type			1480nm pump: SMF-28e on all ports 980nm pump: HI 1060 on pump and common ports, SMF-28e on other ports	
Operating Temperature		°C	-5 to +70	
Storage Temperature		°C	-40 to +85	

*PMD<0.1ps is available. Please refer to below ordering information.

*Above specifications are for device without connector.

*For devices with connectors, IL will be 0.3dB higher and RL will be 5dB lower.

Package Dimensions**Ordering Information**

TIWDM-①①-②-③-④-⑤⑤⑤⑤-⑥⑥⑥⑥-⑦

①①: Pump Type

98 - 980nm Pump

48 - 1480nm Pump

④: PMD

1 - 0.1ps Max.

2 - Refer to above Spec.

⑥⑥⑥⑥: Fiber Jacket on Port 1, 2, 3 & 4

B - 250um Bare Fiber

L - 900um Loose Tube

S - Specify

②: Stage

S - Single Stage

D - Dual Stage

⑤⑤⑤⑤: Connector Type on Port 1, 2, 3 & 4

1 - FC/UPC

2 - FC/APC

3 - SC/UPC

4 - SC/APC

N - None

S - Specify

⑦: Fiber Length

1 - 1.0m

S - Specify

③: Tap Ratio

1 - 1%±0.2

2 - 2%±0.4

3 - 3%±0.6

4 - 4%±0.8

5 - 5%±1.0

S - Specify