

**Optizone Tap/Isolator/Filter Wavelength Division Multiplexer Hybrid**

**Features**

Input Signal Power Monitoring  
 Pump / Signal Multiplexing  
 Insertion Function

**Applications**

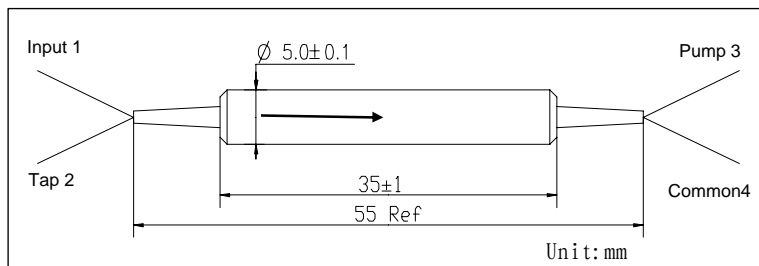
EDFAs  
 Fiber Lasers

**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-①①①①-②-③-④-⑤⑤⑤⑤-⑥⑥⑥⑥-⑦**

- ①①①①: Signal & Pump Wavelength  
 5598 -1550nm Signal/ 980nm Pum  
 5548 - 1550nm Signal/1480nm Pur
- ②: Stage  
 S - Single Stage  
 D - Dual Stage
- 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
- ④: PMD  
 1 - 0.1ps Max.  
 2 - Refer to above Spec.
- 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
- ⑥⑥⑥⑥: Fiber Jacket on Port 1, 2, 3 & 4  
 B - 250um Bare Fiber  
 L - 900um Loose Tube  
 S - Specify
- ⑦: Fiber Length  
 1 - 1.0m  
 S - Specify