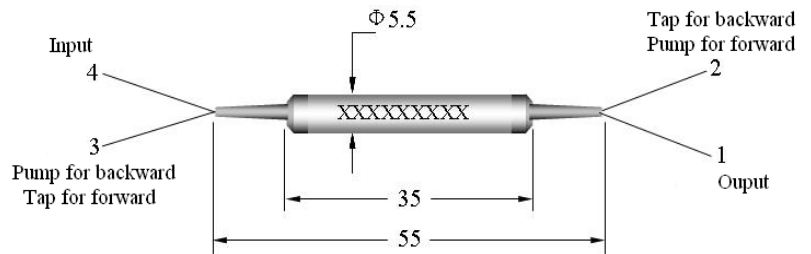


Polarization Maintaining Tap Isolator WDM (PMTIWDM-2X2-T15R98 & T15R14)

1. Features:

- Low insertion loss
- High extinction ratio
- High Return Loss
- Excellent environmental stability and reliability



2. Applications:

- Fiber Laser
- Fiber Sensor
- Communication System
- Test Instrumentations
- Polarization maintaining optical system



3. Compliance:

- Telcordia GR-1209-CORE
- Telcordia GR-1221-CORE
- RoHS

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4. Specifications:

Parameter	Type	Units	Values	
			Single Stage	Dual Stage
Signal Wavelength Range ($\lambda_c \pm 20\text{nm}$)		nm	1550 \pm 20	
Max. IL over Pass Band@ λ_c (input to output)		dB	1.1(1%),1.2(2%),1.3(5%), 1.5(10%),4.2(50%)	1.2(1%),1.3(2%),1.4(5%), ,1.6(10%),4.3(50%)
Isolation @ ($\lambda_c \pm 15\text{nm}$) (Typ. Peak)		dB	≥ 30 (40)	≥ 48 (55)
Extinct Ratio@ λ_c for Type F (Type B)		dB	≥ 22 (20)	
Pump Wavelength Range		nm	980 \pm 20 & 1480 \pm 20	
IL over Reflection Band		dB	≤ 0.6	
Tap Ratio		%	1 \pm 0.2%, 2 \pm 0.4%, 4 \pm 0.8%, 5 \pm 1.0%, 10 \pm 2.0% and 50%	
Optical Return Loss		dB	≥ 50	
Thermal Stability		dB/ $^{\circ}\text{C}$	≤ 0.005	
Power Handling (Max)		mW	≤ 500	
Tensile Load		N	≤ 5	
Fiber type		---	1550 Panda fiber@ Input & Output, SM-28e fiber@ Tap,	
Operating Temperature Range		$^{\circ}\text{C}$	-5 to 70	
Storage Temperature Range		$^{\circ}\text{C}$	-40 to 85	
“B” for Both axis working, “F” for Fast axis blocking				

*The specifications are w/o connector.

* For devices with connectors, 0.3dB higher for IL, 5dB lower for RL and 2dB lower for ER.

* For device with connector, key aligned to slow axis.

5. Product Ordering information:

PMTIWDM-2X2	X	X	XXXX	XXXX	X	X	XX	XX	XX
Product Description	Stage	Axis Type	Operating Wavelength	Coupling Ratio	Pigtail Type	Fiber Type	Port1&2&3&4T Connector Type	Package Size	Fiber Length
P=Polarization	D	B	T98R15	1/99	0=250um	1=HI1060	0=None	34=5.5 \times 34	05=0.5m
M=Maintaining	S	F	T15R98	2/98	1=900um	4=others	1=FC/UFC	35=5.5 \times 35	08=0.8m
T=tap			T15R14	5/95			2=FC/APC	38=5.5 \times 38	10=1.0m
I=Isolator			T98R06	10/90			3=SC/UPC		12=1.2m
WDM			T06R98	50/50			4=SC/APC		

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