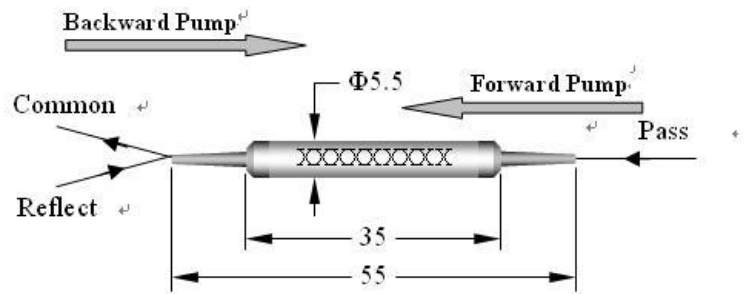


Polarization Maintaining Isolator WDM (PMIWDM-T15/R98 & T15/R14)

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

4. Specifications:

Parameter	Type	Units	Values	
			Single Stage	Dual Stage
Signal Wavelength Range ($\lambda_c \pm 20\text{nm}$)		nm	1550 \pm 20	
IL over Pass Band@ λ_c (Typ.)		dB	≤ 1.0 (0.7)	≤ 1.1 (0.8)
Isolation @ ($\lambda_c \pm 15\text{nm}$) (Typ. Peek)		dB	≥ 30 (35)	≥ 48 (55)
Extinct Ratio@ λ_c for Type F(Type B)		dB	≥ 22 (20)	
Pump Wavelength Range		nm	980 \pm 20 or 1480 \pm 20	
IL over Reflection Band (Typ.)		dB	≤ 0.6 (0.35)	
Direction@ 980nm		dB	≥ 55	
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@Common & Pass 980 Panda, Hi1060 or SM-28e fiber @ Reflect	
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:

PMIWDM				XX	X	X	XXX	XX	XX
Product Description	Port Type	Stage	Axis Type	Operating Wavelength	Pigtail Type	Fiber Type	Com&R&P Connector Type	Package Size	Fiber Length
P=Polarization	1X2	S=Single	F	T98R15	0=250um	1=PM98	0=None	34=5.5 \times 34	05=0.5m
M=Maintaining		D=Dual	B	T15R98	1=900um	2=PM15	1=FC/UFC	35=5.5 \times 35	08=0.8m
IWDM				T15R14		3=PM13	2=FC/APC	38=5.5 \times 38	10=1.0m
				T98R06		4=others	3=SC/UPC		12=1.2m
				T06R98			4=SC/APC		

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