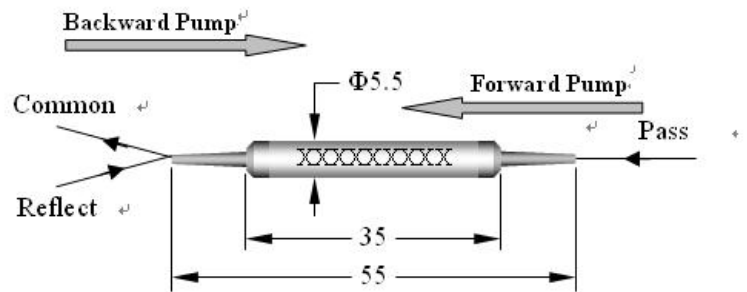


## Isolator Wavelength Division Multiplexer (IWDM-T15/R98 & T15/R14)

### 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@ $\lambda_c$ (Typ.)		dB	$\leq 1.0$ (0.7)	$\leq 1.1$ (0.8)
Isolation @ ( $\lambda_c \pm 15\text{nm}$ ) (Typ. Peek)		dB	$\geq 30$ (35)	$\geq 48$ (55)
Extinct Ratio@ $\lambda_c$ for Type F(Type B)		dB	$\geq 22$ (20)	
Pump Wavelength Range		nm	980 $\pm$ 20 or 1480 $\pm$ 20	
IL over Reflection Band (Typ.)		dB	$\leq 0.6$ (0.35)	
Direction@ 980nm		dB	$\geq 55$	
Optical Return Loss		dB	$\geq 50$	
Thermal Stability		dB/ $^{\circ}\text{C}$	$\leq 0.005$	
Power Handling (Max)		mW	$\leq 500$	
Tensile Load		N	$\leq 5$	
Fiber type		---	SMF-28e@Common&Pass; 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:

IWDM				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
IWDM	1X2	S=Single	F	T98R15	0=250um	0=smf-28e	0=None	34=5.5 $\times$ 34	05=0.5m
		D=Dual	B	T15R98	1=900um	1=hi1060	1=FC/UFC	35=5.5 $\times$ 35	08=0.8m
				T15R14		4=others	2=FC/APC	38=5.5 $\times$ 38	10=1.0m
				T98R06			3=SC/UFC		12=1.2m
				T06R98			4=SC/APC		

E-mail: [sales@shenjiantx.com](mailto:sales@shenjiantx.com)

Web : <http://www.shenjiantx.com>