

## High Isolation WDM

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### Key Features

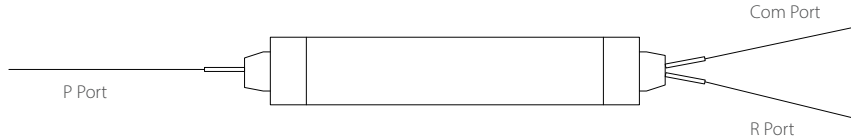
- Low insertion loss
- High isolator
- Excellent environmental and mechanical stability

### Applications

- Long-haul telecommunication
- Digital, hybrid and am-video system
- Catv systems and fiber optic sensor
- High-speed local area network



## Dimensions



Unit: mm

### Parameter Specifications

	R1310/T1550	R1310/1490/T1550	R850/T1310
Transmitted Band	1520-1610nm	1270-1350 and 1480-1500nm	1270-1350nm
Reflected Band	1270-1350nm	1535-1565nm	800-900nm
Passband Insertion Loss	< 1.0dB	< 1.0dB	< 0.8dB
Reflected Band Insertion Loss	< 1.0dB	< 1.2dB	< 1.0dB
Insertion Loss Uniformity over Transmitted Band	< 0.3dB	< 0.2dB	N/A
Insertion Loss Uniformity over Reflected Band	< 0.3dB	< 0.1dB	N/A
Isolation in Transmission against Reflected Band	> 45dB	> 40dB	> 35dB
Isolation in Reflection against Transmitted Band	> 45dB	> 40dB	> 35dB
PDL in Transmission	< 0.1dB	< 0.1dB	N/A
PDL in Reflection	< 0.2dB	< 0.2dB	N/A
PMD	< 0.1ps	< 0.1ps	N/A
Return Loss in Transmission	> 50dB	> 50dB	> 35dB
Return Loss in Reflection	> 40dB	> 40dB	N/A
Directivity	> 55dB	> 55dB	> 40dB
Fiber Type	Corning SMF 28e+	Multimode 62.5/125, or Multimode 50/125	
Package Dimension Bare Fiber	-	φ5.5 x 35 typical	
Package Dimension 900 mm Loose Tube	-	φ 5.5 x 40 typical	

Note:  
 The above parameters do not include a connector,  
 which is less than 0.2dB for a pair of connector.

### Operating Conditions

Maximum Power handling	500mW
Operating Temperature	-5°C ~ +70°C
Storage Temperature	-40°C ~ +85°C
Operation Humidity	5% to 95% Relative Humidity

