



### Key Features

- Low Insertion Loss
- High Isolation
- Excellent Stability

### Applications

- Long-haul Telecommunication
- Digital, AM-video and Hybrid System
- CATV Systems & Fiber Optic Sensor
- High Speed Network



### Parameter Specifications

Parameters	R1310/T1550	R1480/T1550	R850/T1310	Units
Transmitted Band	1520-1610	1550±5	1270-1350	nm
Reflected Band	1270-1350	1480±5	800-900	nm
Passband Insertion Loss	≤ 1.0	≤ 1.0	≤ 0.8	dB
Reflected band Insertion Loss	≤ 1.0	≤ 1.2	≤ 1.0	dB
Isolation in Transmission against Reflected band	≥ 45	≥ 40	≥ 35	dB
Isolation in Reflection against Transmitted band	≥ 45	≥ 40	≥ 35	dB
PDL in Transmission	≤ 0.1	≤ 0.1	N/A	dB
PDL in Reflection	≤ 0.2	≤ 0.2	N/A	dB
Return Loss in Transmission	≥ 50	≥ 50	≥ 35	dB
Return Loss in Reflection	≥ 40	≥ 40	N/A	dB
Directivity	≥ 55	≥ 55	≥ 40	dB
Fiber Type	Corning SMF 28e+	Corning SMF 28e+	OM1 or OM3 (MM fiber)	
Package Dimension	Bare Fiber 900 mm Loose Tube	φ 5.5 x 35 typical φ 5.5 x 40 typical		

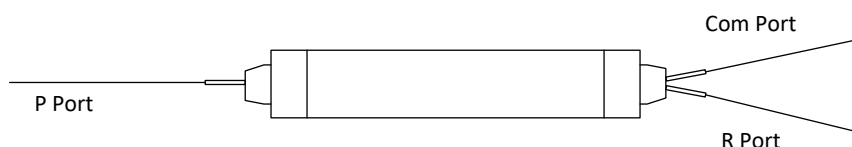
Notes:

- The above parameters do not include connector, each pair connector adds 0.2dB.

### Operating Conditions

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

### Mechanical Dimensions



**Part Number Scheme: Fused WDM**



**Product Type**  
 N = standard  
 H = high isolation

**Wavelength (R/P)**  
 1315 = 1310/1550 nm  
 1513 = 1550/1310 nm  
 1415 = 1480/1550 nm  
 1534 = 1550/1310+1490 nm  
 3415 = 1310+1490/1550 nm  
 9815 = 980/1550 nm  
 8513 = 850/1310 nm

**Fiber Type**  
 1 = SMF-28e+  
 2 = XB(G657.A1)  
 3 = OM3  
 4 = OM1

**Jacket Type**  
 A = 250 um  
 B = 900 um  
 C = 2 mm

**Package Type**  
 S = Tube  
 L = Aluminum  
 A = ABS  
 G = LGX

**Configuration**  
 1 = 3-port  
 2 = 2-port

**Fiber Length**  
 10 = 1.0 m  
 15 = 1.5 m  
 30 = 3.0 m  
 mn = m.n meters

**Connector Type**

0 = None	M = MTP 12P
2 = FC/UPC	N = MTP 24P
3 = FC/APC	O = MPO 12P
4 = SC/UPC	P = MPO 24P
5 = SC/APC	H = MU/UPC
6 = ST/UPC	X = Customized
7 = LC/UPC	
8 = LC/APC	