OptiWorks
A BizLink Group Company

High Isolation WDM

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

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Parameter Specifications

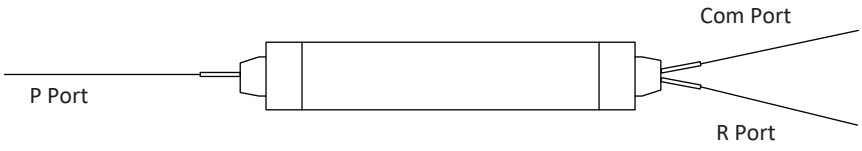
Parameters		R1310/T1550	R1310/1490/T1550	R850/T1310	Units
Transmitted Band		1520-1610	1270-1350/1480-1500	1270-1350	nm
Reflected Band		1270-1350	1535-1565	800-900	nm
Passband Insertion Loss		≤ 1.0	≤ 1.0	≤ 0.8	dB
Reflected band Insertion Loss		≤ 1.0	≤ 1.2	≤ 1.0	dB
Isolation in Transmission against Reflected 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:
1. 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



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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
2 = FC/UPC
3 = FC/APC
4 = SC/UPC
5 = SC/APC
6 = ST/UPC
7 = LC/UPC
8 = LC/APC
M = MTP 12P
N = MTP 24P
O = MPO 12P
P = MPO 24P
H = MU/UPC
X = Customized

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