

Fused Single-Mode Wavelength Division Multiplexer

WDM-1 (1310/1550)



Features

- Ultra Low Insertion Loss
- Ultra High Isolation
- Low Polarization Sensitivity
- High Directivity
- Highly Stable and Reliable
- Bidirectional

Applications

- Telecommunications
- CATV
- Subscriber Loop
- Local Area Networks
- Fiberoptic Sensors

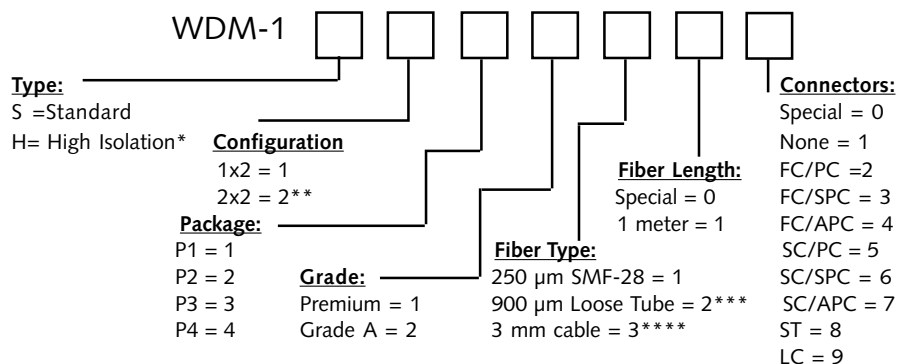
OPLINK 1310/1550nm WDMs are manufactured by using the proven fused biconical taper technology and OPLINK stringent quality procedures. With low insertion loss and flat passband, this device is ideal for combining or separating light signals in the 1310 and 1550 nm bands.

Performance Specifications

WDM-1 Series 1310/1550		Standard		High Isolation	
Grade (P=Premium, A=Grade A)		P	A	P	A
Operating Wavelength (nm)		1310 ± 15 / 1550 ± 15			
Insertion Loss (dB) (1310 ± 15 /1550 ± 15 nm)		≤ 0.3	≤ 0.5	≤ 0.7	≤ 1.0
Isolation (dB)		≥ 17	≥ 16	≥ 34	≥ 30
Polarization Sensitivity (dB)		≤ 0.1		≤ 0.2	
Thermal Sensitivity (dB/ °C)		≤ 0.002			
Directivity (dB)		≥ 55			
Operating Temperature (°C)		-40 to +70			
Storage Temperature (°C)		-40 to +85			
Package Dimension (mm)	P1: 250 μm SMF-28 fiber	(φ)3.0 x (L) 54		P4: L(100) x W(80) x H(7.0)	
	P2: 900 μm loose tube	(φ)3.0 x (L) 60			
	P3: 3 mm cable	(L) 96 x (W) 12 x (H) 6.4			

Values are referenced without connector loss.

Ordering Information



Note : * Must be P4 package

** not available for High Isolation model

*** Must be P2 or P4 package

**** Must be P3 or P4 package