



## 1310/1550 nm Fused Wavelength Division Multiplexer (WDM)

### Description

Our high-performance WDM Coupler/Splitters are engineered to deliver exceptional optical performance and long-term environmental reliability. Designed with premium components, they feature ultra-low insertion loss and low polarization dependent loss (PDL) to maximize signal integrity, while a high return loss minimizes back-reflection across your network. Capable of handling a maximum input power of up to 200 mW.

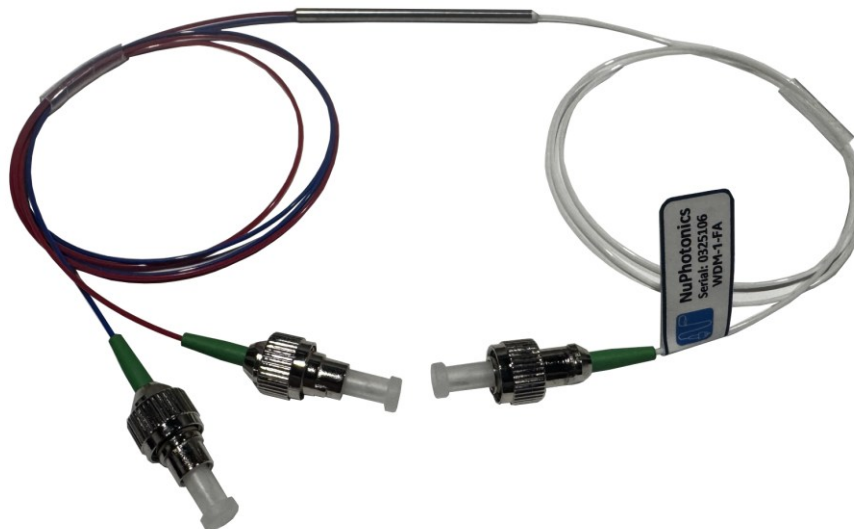
### Features

- Low insertion Loss
- Low PDL
- Excellent environmental reliability
- 200 mW maximum input power
- Customizable split ratio
- High return loss



### Applications

- Long Reach Analog Transmission Systems
- Test Equipment
- Optical Communication

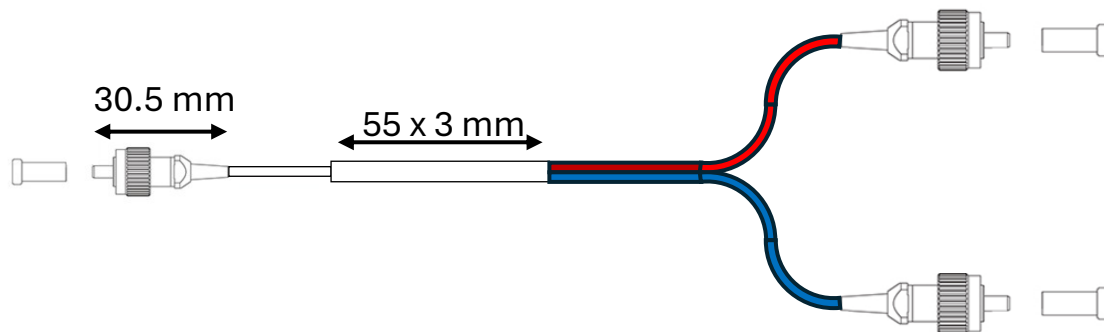


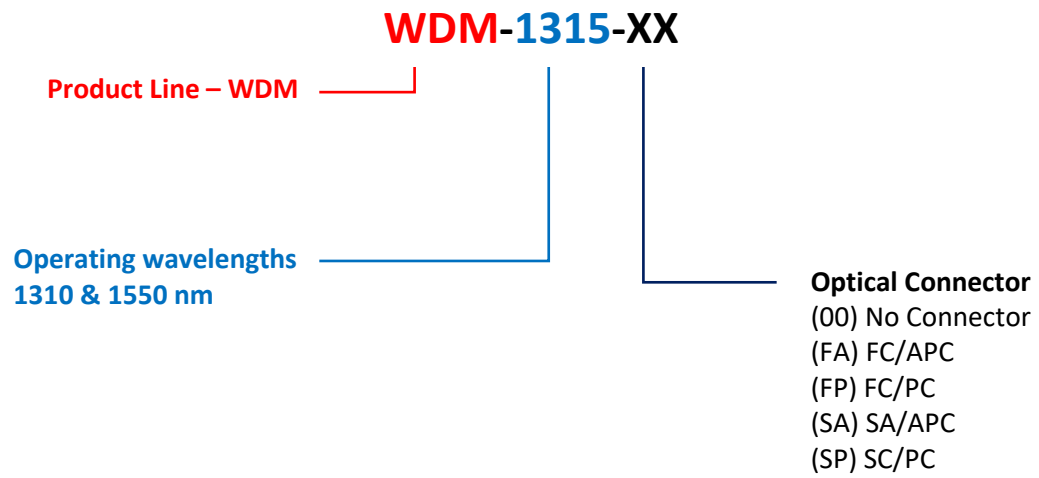
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## Electro-Optical Characteristics (Top 23 ± 30c, unless otherwise specified)

Parameter	Symbol	Specification
Operating wavelengths	$\lambda$	1310/1540 ± 10nm
Channel Isolation	ISO	30
Insertion Loss	IL	≤0.7
Polarization Mode Dispersion		≤0.1 ps
Polarization Dependent Loss	PDL	≤0.1
Return Loss	RL	≥50
Passband Ripple	--	≤0.25
Maximum Power Handling	Pmax	≥300
Operating Temperature	T	-50°C – 100°C

## Mechanical Drawing





Example – WDM-1315-FA

1310 & 1550 WDM FC/APC connectors



# IMPORTANT NOTICES AND DISCLAIMERS

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## Definitions: Product State

**Alpha Build** – Device is in internal engineering development and testing. Specifications are subject to significant change.

**Beta Build** – Device is available for external evaluation and engineering sampling. Specifications are subject to minor change.

**Production Build** – Device is released for production. Minor cosmetic or appearance variations may occur.

**Obsolete** – Device is no longer in production and is not supported.

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## Revision History

1.1 – May 2026 – Initial release