



850/1310 Multimode Thin Film WDM

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This document proposes the specification of the Thin-Film Multi Mode Wavelength Division Multiplexer that transmits light at 1310 nm and reflects light at 850 nm.

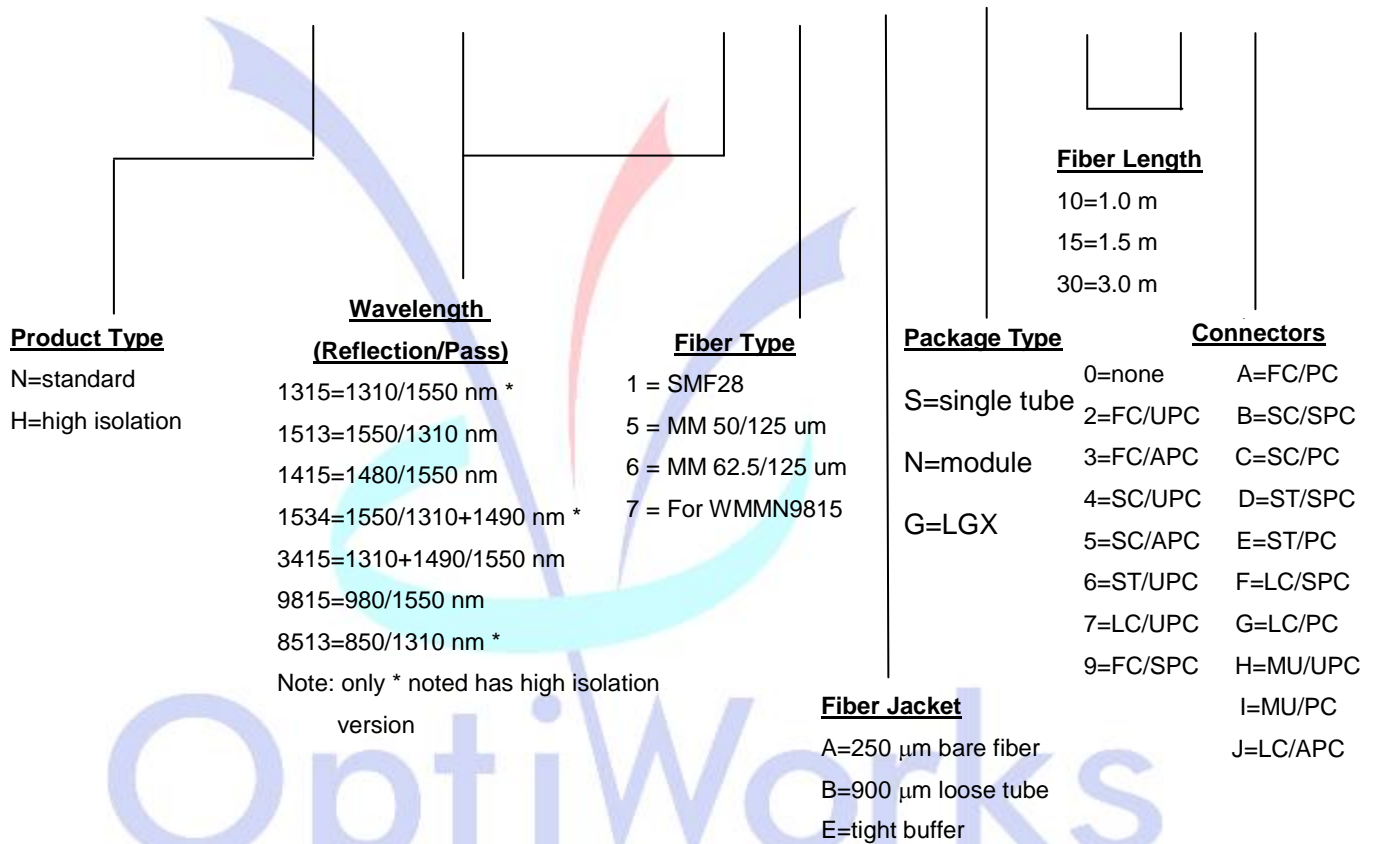
1. Specifications

(All parameters are referenced without connectors. Typical connector loss 0.25 dB/pair)

Parameters		Specifications	Unit
Transmitted Band		1270-1350	nm
Reflected Band		800-900	nm
Passband Insertion Loss		≤ 0.7	dB
Reflected band Insertion Loss		≤ 0.5	dB
Isolation in Transmission against Reflected Band		≥ 30	dB
Isolation in Reflection against Transmitted Band		≥ 14	dB
Return Loss		≥ 35	dB
Directivity		≥ 40	dB
Optical Power Handling		> 500	mW
Operating Temperature		0 to 70	°C
Storage Temperature		-40 to 85	°C
Fiber Type		Multimode 62.5/125um or Multimode 50/125um	
Package Dimension (excluding strain relief)	Bare Fiber	$\phi 5.5 \times 35$ typical	mm
	900 μ m Loose Tube	$\phi 5.5 \times 40$ typical	

2. Part number of WDM

W	M	M									N			
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3. size reference

NA

4. RoHS appliance. GR-1209-Core, GR-1221-Core Generic Requirement and test standard.

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