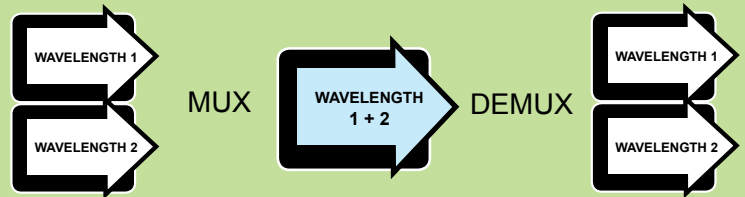


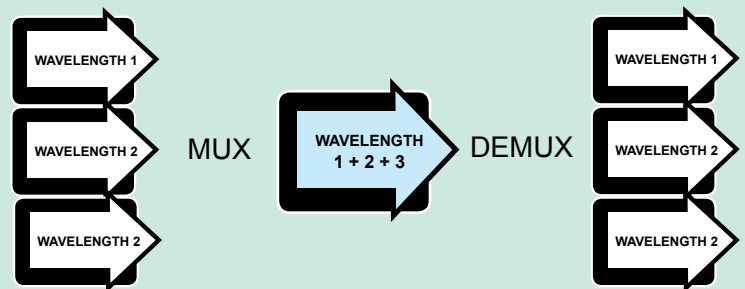
Two / Three Wavelengths Optical Multiplexer / Demultiplexer



WM/WD-2, WM/WD-5, WM/WD-11



WM/WD-12, WM/WD-13



FEATURES:

- One slot rack card design
- Passive optical Multiplexer/Demultiplexer for singlemode & multimode systems
- ST, FC Optical Connector
- Hot Swappable Cards

DESCRIPTION:

This modules is All-Passive optical Multiplexers/Demultiplexer. Both singlemode and multimode versions are available. Each unit either combines or separates two or three individual wavelengths to provide optical Multiplexing/Demultiplexing over a one fiber. These units are compatible with both Meridian's FM and Digital series products.

MULTIMODE FIBER:

Optical Code - 2: Combines or separates 850nm & 1300nm optical wavelengths

Optical Code - 11: Combines or separates 1310nm & 1550nm optical wavelengths

Optical Code - 13: Combines or separates 850nm & 1310nm & 1550nm optical wavelengths

SINGLEMODE FIBER:

Optical Code - 5: Combines or separates 1310nm & 1550nm optical wavelengths

Optical Code - 12: Combines or separates 1310nm & 1490nm & 1550nm optical wavelengths

CONFIGURATIONS:

The DigiSlim™ product family is available as rack mount cards and modules that can be installed in any of Meridian's desk chassis or in 19" racking frames. These systems can be transformed in to a standalone module by utilizing an SR-500/S (standard configuration) or an SR-1002/S.

MARKETS:

- ✓ Intelligent transportation systems (ITS)
- ✓ Video Transport systems
- ✓ Security and surveillance
- ✓ Access Control

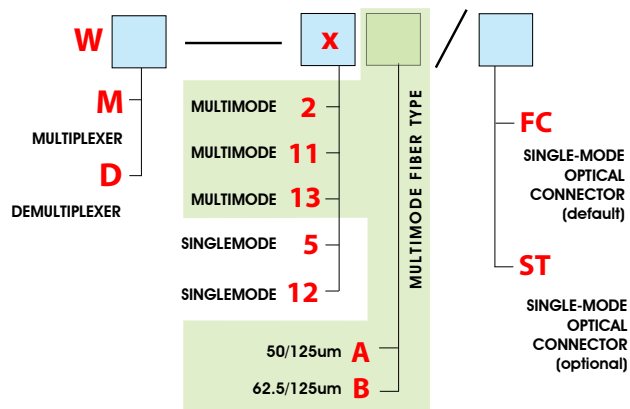
SPECIFICATIONS:

Optical	
Insertion Loss	1.5 dB
Return Loss	>30 dB
2 Wavelengths Combinations	850/1300nm (multimode) 1310/1550nm (multimode) 1310/1550nm (singlemode)
3 Wavelengths Combinations	850/1310/1550nm (multimode) 1310/1490/1550nm (singlemode)
Connectors	
Optical	FC - SM (default), ST - MM (default), SC (optional)
Power	None - passive
Quality	
MTBF	>170,000 hours (35°C per MIL 217F), 35°C per MIL217F

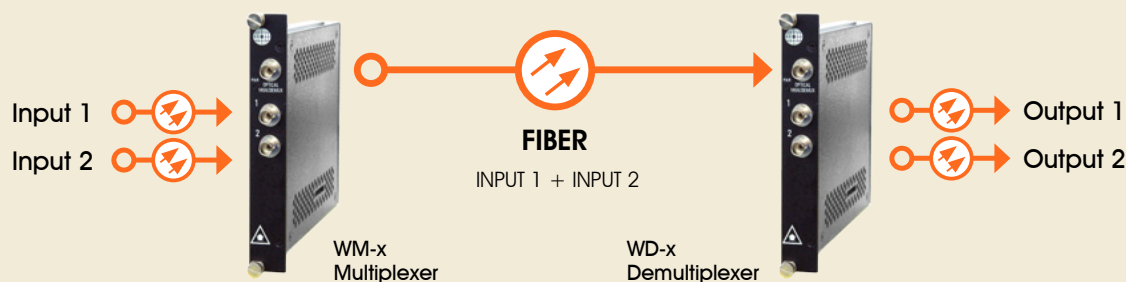
Part Numbers		
MULTIMODE	WM-2A	2 - Wavelengths Optical Multiplexer, MM, 850/1300nm, 50/125um
	WM-2B	2 - Wavelengths Optical Multiplexer, MM, 850/1300nm, 62.5/125um
	WM-11A	2 - Wavelengths Optical Multiplexer, MM, 1310/1550nm, 50/125um
	WM-11B	2 - Wavelengths Optical Multiplexer, MM, 1310/1550nm, 62.5/125um
	WM-13A	3 - Wavelengths Optical Multiplexer, MM, 850/1310/1550nm, 50/125um
	WM-13B	3 - Wavelengths Optical Multiplexer, MM, 850/1310/1550nm, 62.5/125um
	WD-2A	2 - Wavelengths Optical Demultiplexer, MM, 850/1300nm, 50/125um
	WD-2B	2 - Wavelengths Optical Demultiplexer, MM, 850/1300nm, 62.5/125um
	WD-11A	2 - Wavelengths Optical Demultiplexer, MM, 1310/1550nm, 50/125um
	WD-11B	2 - Wavelengths Optical Demultiplexer, MM, 1310/1550nm, 62.5/125um
	WD-13A	3 - Wavelengths Optical Demultiplexer, MM, 850/1310/1550nm, 50/125um
	WD-13B	3 - Wavelengths Optical Demultiplexer, MM, 850/1310/1550nm, 62.5/125um
SINGLE-MODE	WM-5	2 - Wavelengths Optical Multiplexer, SM, 1310/1550nm
	WM-12	3 - Wavelengths Optical Multiplexer, SM, 1310/1490/1550nm
	WD-5	2 - Wavelengths Optical Demultiplexer, SM, 850/1300nm
	WD-12	3 - Wavelengths Optical Demultiplexer, SM, 1310/1490/1550nm

Physical	
Dimensions	20 (W) x 127 (H) x 160 (D) mm (0.8 x 5.0 x 6.3 inch)
Weight	~ 450 grams (16 Oz.)
No. of Slots	1
Module	See SR-500 Brochure
Environmental	
Operating Temperature	-34°C to +74°C
Storage Temperature	-40°C to ~ +85°C
Relative Humidity	0 to 95% Non-condensing
Meridian's Optic code	Input / Output Wavelength
2	MM, 850/1300nm
5	SM, 1310/1550nm
11	MM, 1310/1550nm
12	SM, 1310/1490/1550nm
13	MM, 850/1310/1550nm

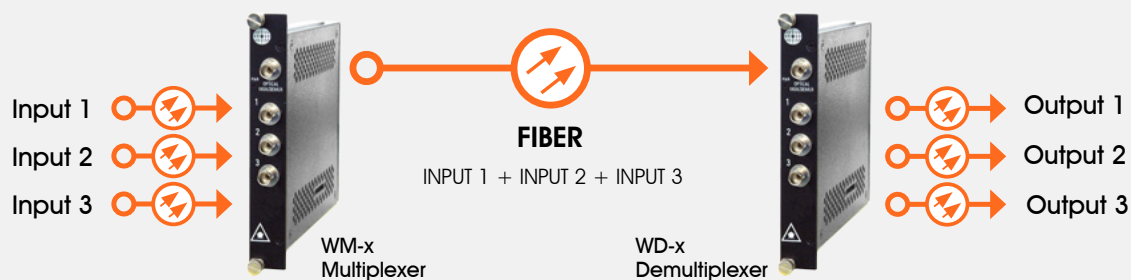
PART NUMBER DIAGRAM



2 Wavelength diagram



3 Wavelength diagram



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