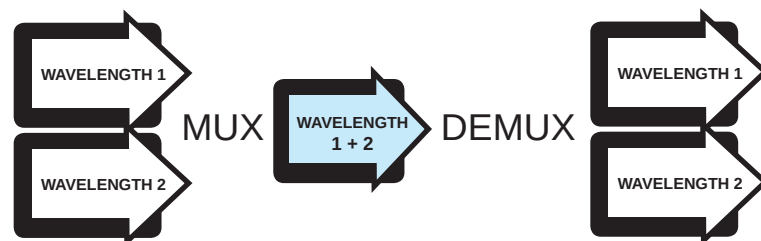


Two Channel Optical Multiplexer / Demultiplexer



FEATURES:

- One slot digital module design
- Passive optical multiplexer/demultiplexer for singlemode & multimode systems
- ST, FC Optical Connector
- Hot Swappable Cards

DESCRIPTION:

This module in the SO product family is a all-passive, 2-channel optical multiplexer/demultiplexer. Both singlemode and multimode versions are available. Each unit either combines or separates 2 individual wavelengths to provide optical multiplexing over a one fiber. These units are compatible with both Meridian's FM and digital series products.

MULTIMODE:

- Combines or separates 850nm & 1300nm optical wavelengths

SINGLEMODE:

- Combines or separates 1310nm & 1550nm optical wavelengths

CONFIGURATIONS:

The SO 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-1000/S.

MARKETS:

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

SPECIFICATIONS:

Optical

Insertion Loss	1.5dB
Return Loss	>30 dB
Wavelength	850/1300nm (multimode)
	1300/1550nm (singlemode)

Connectors

Optical	ST, FC
Power	None - passive

Quality

MTBF	>170,000 hours @ Ground Fix
	35°C per MIL217F

Physical

Dimensions (Card)	160 mm (6.3") L, 127 mm (5") W
	20mm (0.80") W
Weight (Card)	450 gms (16 Oz)
No. of Slots	1
Module	See SR-500 Brochure

Enviromental

Operating Temperature ...	-34°C to +74°C
Storage Temperature	-55°C to +85°C
Relative Humidity	0 to 95% Non-condensing

Part Numbers:

