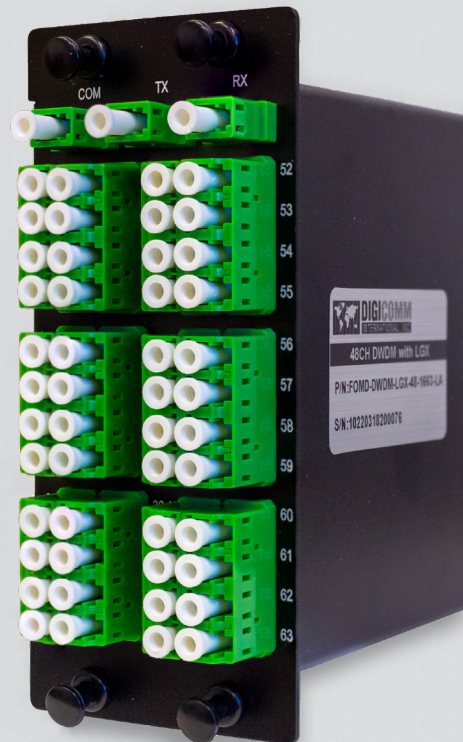


DIGICOMM DWDM OPTICAL MULTIPLEXER/DEMULTIPLEXER (ISP) 48-CHANNEL

FEATURES

- LGX Chassis-Compatible
- ½ Depth / Dual-Width Module
- 100 GHz DWDM Channel Spacing (ITU G.694.1)
- ITU Channels 16-63
- Supports the channel plans of major optical-transport manufacturers
- LC/APC connectors
- Low-Insertion Loss
- Superior Flatness
- High-Isolation
- High-Directivity
- Extensive Inventory IN-STOCK at our Distribution Center in Englewood, CO



OVERVIEW

Digicomm's 48 Channel DWDM Optical Mux/Demux is designed to maximize the capacity of existing fiber optic networks, which greatly reduces the need to construct new fiber optic plant. Digicomm's 48 Channel Mux/Demux provides flexibility along with industry leading specifications, uses the standard ITU channel plan (ITU G.694.1), supports 100Ghz channel spacing, and operates between ITU channels 16 and 63. Unparalleled flatness across the entire channel range assures maximum performance and eliminates the need to use separate multiplexers and demultiplexers. Digicomm's 48 Channel Mux/Demux is standard LGX style, can be mounted inside a standard LGX passive chassis, and uses LC/APC connectors. The superior temperature range of the mux allows for use not only inside buildings, but also in field-based cabinets. Dual Test Ports are included to help with network troubleshooting.

SPECIFICATIONS

OPTICAL	
Ch XX to COM Insertion Loss (\leq dB)	3.2
Flatness (dB)	+/- 1.0
COM to TP Insertion Loss (\leq dB)	22
Optical Return Loss (\geq dB)	45
Polarization Dependent Loss, max (\leq dB)	0.3
Directivity (>dB)	50
Ripple (\leq dB)	0.5
Adjacent Channel Isolation (\geq dB)	30
Non-Adjacent Channel Isolation, min (\geq dB)	40

PHYSICAL	
Dimensions (cm.)	12.9H, 7.6D, 2.9W
Dimensions (in.)	5.1H, 3.0D, 1.14W

ENVIRONMENTAL	
Storage Temperature	-40° C to 85° C
Operating Temperature	-40° C to 85° C

ORDERING INFORMATION

PART NUMBER	DESCRIPTION
FOMD-DWDM-LGX-48-1663-LA	MUX/DEMUX, DWDM LGX 48CH 16-63 LC/APC COM, DTP