96 Channels CH15-CH62 DWDM Mux Demux

DATA CENTER & CLOUD COMPUTING INFRASTRUCTURE SOLUTIONS

Overview

The 96ch Mux Demux is a high density, low loss and standalone passive optical module that provides excellent solution for infrastructure savings by aggregating up to 96 DWDM channels at a single site. All 96 channels are spread over the C-band per ITU-T 50GHz spacing between channels using high quality AAWG technology. It's perfectly suited to transport PDH, SDH / SONET, ETHERNET services over WWDM, CWDM and DWDM in optical metro edge and access networks.

Highlights

- Multiplexing of 96 channels on fiber pair
- Low Insertion Loss: Typical 6.0dB, Max 7.0dB
- Passive Transparent Any Rate, Any Service Multiplexing
- LC/UPC duplex connectors
- Compliant with All Optical Networking Products (ITU Grid)
- Transport High Capacity Data over Long Distances

Technical Data

Parameter	Value
ITU Channel	96 Channels(DWDM Ports)
Operating Wavelength	1500-1570nm
Link Loss, Per Channel (A)	≤12.0dB
Insertion Loss	≤7.0dB, 6.0dB Typical
Channel Passband	±0.05nm
Channel Spacing	50GHz (0.4nm)
Center Wavelength Accuracy	±0.05nm
Technology	AAWG (Gaussian)
Power Handling	≤ 300mW
Adjacent Channel Isolation	≥ 22dB
Non-adjacent Channel Isolation	≥ 28dB
Net Weight	7.2kg (16lb)
Dimensions (HxWxD)	3.47"x19"x9.84" (88.1x482.6x250mm)
Return Loss	≥ 40dB
Directivity	≥ 40dB
Polarization Dependent Loss	≤ 0.7dB
Polarization Mode Dispersion	≤ 0.5ps
Insertion Loss Uniformity	≤ 1.5dB
Operating Temperature	-5 to 65°C (23 to 149°F)
Storage Temperature	-40 to 85°C (-40 to 185°F)

Notes:

1.Insertion Loss is specified with connectors and adapters.

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