4CH CWDM Mux Demux

CWDM Coarse Wave Division Multiplexing (CWDM) Multiplexer/Demultiplexer (MUX/DEMUX) modules support ITU-T G.694.2 wavelengths between 1270nm to 1610nm in 20nm increments. CWDM/X modules are protocol and rate transparent allowing different services up to 10Gbps to be transported across the same fiber link.

Product features

Scalable to 8 or 16 channels using an optional Expansion Port or separate Band Splitter

Enables existing 1310nm networks to carry up to an additional 8 channels with optional 1310nm Pass Band Port

Enables existing 1550nm networks to carry up to an additional 4 channels with optional 1550 Pass Band/Expansion Port

Protocol and rate transparent for applications up to 10Gbps

Highly compact form factor with up to 120 ports in a 2U chassis

Seamless integration with other media converters and chassis for multi-service platforms

Compatible with LGX chassis using the LGX Adapter

Passive device that can also be installed in a powered chassis for managed applications

Management available with the addition of a management module to the chassis

Minimal and uniform optical loss facilitates easy network planning

Industry standard LC UPC or APC connectors

Commercial (0 to 50°C) and wide (-40 to 60°C) temperature ranges

Three (3) Year Warranty and Free 24/7 Technical Support

Product specification

Parameter	Unit	MUX/DEMUX
Channel Number	CH	4
Operating Wavelength	nm	1260~1620
Center Wavelength@λc	nm	ITU Grid
Channel Spacing	nm	20
Channel Insertion Loss	dB	≤1.8

Channel band Bandwidth	nm	≥λc±6.5
Channel Ripple	dB	≤0.5
Adjacent Channel Isolation	dB	≥30
Non-Adjacent Channel Isolation	dB	≥45
Return Loss	dB	≥50
Directivity	dB	≥55
PDL	dB	≤0.2
PMD	ps	≤0.2
Power Handling	mW	≤500
Operating Temperature	°C	0~+70
Storage Temperature	°C	-40 ~+85
Fiber Type	-	Corning SMF-28e Ultra
Package Size	mm	100x130x25
Fiber Adapter Type	-	SC or LC

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