

JCMX-XXXX-02D

2 Channels CWDM MUX/DEMUX 1U Chassis / LGX Package Optional
system 1270-1610nm Wavelength Optional



FEATURES & BENEFITS

- Compliant to ITU G.694.2 and G.695
- Multiplexing of up to 2 CWDM wavelengths
- Protocol transparent, support 1G, 10G, 100G etc
- Low insertion loss
- LC/UPC connectors
- Passive, no electric power is required
- High stability and reliability
- 19" 1U Rackmount system
- Custom design supported

Application

- Network Communication
- FTTH/FTTB/FTTx
- ISP Backhaul Networking

OVERVIEW

JCMX-XXXX-02D is a 1U Chassis / LGX Package Optional packaged Dual Fiber CWDM MUX/DEMUX system. It is specifically designed to multiplex upto 2 Ch CWDM 1270-1610nm traffic using high quality filters. It is fully protocol transparent and to perfectly fulfill applications including 1G/10G/100G Ethernet, SDH/SONET, 1/2/4/8/16/32G Fibre Channel/FICON, CATV and FTTx.

SPECIFICATIONS

Access Type	Dual Fiber	
Channels	2	
EXP	Optional	
MON	Optional	
Packaging	1U Chassis / LGX Package Optional	
Dimension	44x483x250mm	mm
Insertion loss IL	< 1.2	dB
Mux+Demux IL	< 2.1	dB
Center Wavelength	1270-1610nm	nm
Channel Spacing	20	GHz
Channel Flatness	< 0.4	mm
Channel Bandwidth	+/- 6.5	mm
Channel Uniformity	< 1.0	dB
Adjacent channel isolation	> 30	dB
Non adjacent channel isolation	> 40	dB
Directivity	> 55	dB
Return Loss	> 50	dB
PDL	< 0.15	dB
PMD	< 0.1	ps
Wavelength thermal stability	< 0.003	nm/°C
Insertion Loss thermal stability	< 0.005	nm/°C
Power Handling	< 500	mW
Operating temperature	0 ~ +70	°C
Storage temperature	-40 ~ +85	°C