

Technical Datasheet

CWMUX-(X)CH-D-1RU-(I)-AT

Mux & Demux CWDM X Channel Duplex LC/UPC

1RU, Commercial or Industrial Temperature

X = No of Channels

I = Industrial Temp Option

FEATURES

- Low Insertion Loss
- Wide pass band
- High Channel Isolation
- High stability and reliability
- Epoxy-free on Optical Path
- Access Network
- Commercial Operating Temperature Range: -5 to 70°C
- Industrial Operating Temperature Range: -40 to 85°C
- RoHS compliant

APPLICATIONS

- Line Monitoring
- WDM Network
- Telecommunication
- Cellular Application
- Fibre Optical amplifier

DESCRIPTION

ATGBICS® CWDM optional channel Mux & Demux, 1U rack type, dual fibre, LC/UPC connectors.

It provides low insertion loss, high channel isolation, wide pass band, low temperature sensitivity and epoxy free optical path.

Refer to 'Ordering Information' section for the below product options:

- 1270-1610nm optional channel range
- Monitor port (Mon)
- Commercial or Industrial Temperature

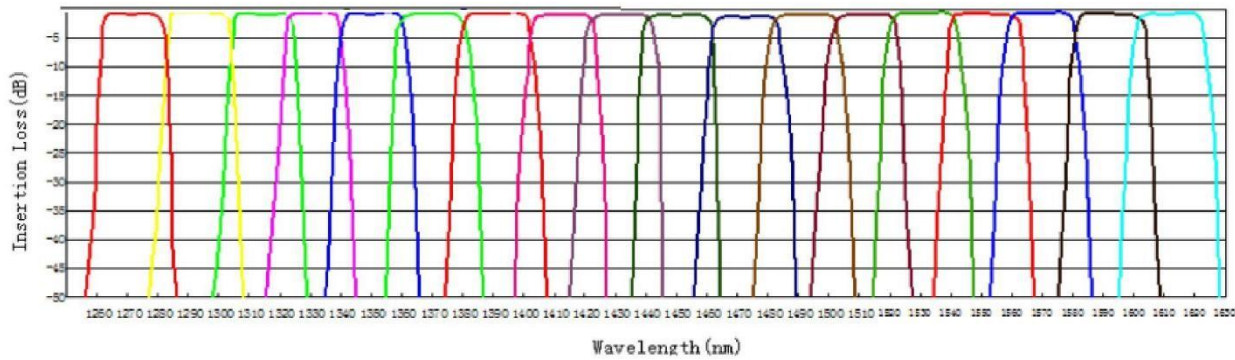
Technical Datasheet

Performance Specifications

Parameter		Value
Operating Wavelength (nm)		CWDM MUX DEMUX (1270~1610nm)
Centre wavelength Accuracy (nm)		±0.5
Channel Spacing		20nm
Channel Passband (@-0.5dB bandwidth (nm)		±7.5 / ±6.5
Insertion Loss (dB)		1.5<2.2
Channel Ripple (dB)		<0.4
Polarisation Dependent Loss (dB)		<0.2
Polarisation Mode Dispersion (ps)		<0.2
Isolation	Adjacent (dB)	>30
	Non-adjacent (dB)	>45
Directivity (dB)		>45
Return Loss (dB)		>45
Fibre Type		SMF- G657A1
Connector		LC/ UPC
Maximum Power Handling (mW)		500
Operating Temperature options		Commercial: - 5°C to +70°C Industrial: - 40°C to +85°C
Storage Temperature		- 40°C to +85°C
Package Dimension (mm)		19" 1U Rack

Technical Datasheet

Spectral Diagram (Typical of 18 channel CWDM)



Ordering Information

Order SKU	Product Description
CWMUX-8CH-D-1RU-AT	Mux Demux CWDM 4 Channel Duplex LC/UPC, 1550-1610nm, 1RU
CWMUX-10CH-D-1RU-AT	Mux Demux CWDM 4+1 Channel Duplex LC/UPC, Mon Port, 1550-1610nm, 1RU
CWMUX-12CH-D-1RU-AT	Mux Demux CWDM 4+1+1 Channel Duplex LC/UPC, Mon Port, 1310 1550-1610nm, 1RU
CWMUX-16CH-D-1RU-AT	Mux Demux CWDM 8 Channel Duplex LC/UPC, 1470-1610nm, 1RU
CWMUX-18CH-D-1RU-AT	Mux Demux CWDM 8+1 Channel Duplex LC/UPC, Mon Port, 1470-1610nm, 1RU
CWMUX-20CH-D-1RU-AT	Mux Demux CWDM 8+1+1 Channel Duplex LC/UPC, Mon Port, 1310 1470-1610nm, 1RU
CWMUX-32CH-D-1RU-AT	Mux Demux CWDM 16 Channel Duplex LC/UP, 1310-1610nm 1RU
CWMUX-34CH-D-1RU-AT	Mux Demux CWDM 16+1 Channel Duplex LC/UPC, Mon Port, 1310-1610nm, 1RU
CWMUX-36CH-D-1RU-AT	Mux Demux CWDM 16+1+1 Channel Duplex LC/UPC, 1270-1610nm 1RU
CWMUX-38CH-D-1RU-AT	Mux Demux CWDM 18+1 Channel Duplex LC/UPC, Mon Port, 1270-1610nm, 1RU
CWMUX-40CH-D-1RU-AT	Mux Demux CWDM 18+1+1 Channel Duplex LC/UPC, Mon Port, 1270-1610nm, 1RU
CWMUX-8CH-D-1RU-I-AT	Mux Demux CWDM 4 Channel Duplex LC/UPC, 1550-1610nm, 1RU, Ind Temp
CWMUX-10CH-D-1RU-I-AT	Mux Demux CWDM 4+1 Channel Duplex LC/UPC, Mon Port, 1550-1610nm, 1RU, Ind Temp
CWMUX-12CH-D-1RU-I-AT	Mux Demux CWDM 4+1+1 Channel Duplex LC/UPC, Mon Port, 1310 1550-1610nm, 1RU, Ind Temp
CWMUX-16CH-D-1RU-I-AT	Mux Demux CWDM 8 Channel Duplex LC/UPC, 1470-1610nm, 1RU, Ind Temp
CWMUX-18CH-D-1RU-I-AT	Mux Demux CWDM 8+1 Channel Duplex LC/UPC, Mon Port, 1470-1610nm, 1RU, Ind Temp
CWMUX-20CH-D-1RU-I-AT	Mux Demux CWDM 8+1+1 Channel Duplex LC/UPC, Mon Port, 1310 1470-1610nm, 1RU, Ind Temp
CWMUX-32CH-D-1RU-I-AT	Mux Demux CWDM 16 Channel Duplex LC/UP, 1310-1610nm 1RU, Ind Temp
CWMUX-34CH-D-1RU-I-AT	Mux Demux CWDM 16+1 Channel Duplex LC/UPC, Mon Port, 1310-1610nm, 1RU, Ind Temp
CWMUX-36CH-D-1RU-I-AT	Mux Demux CWDM 16+1+1 Channel Duplex LC/UPC, 1270-1610nm 1RU, Ind Temp
CWMUX-38CH-D-1RU-I-AT	Mux Demux CWDM 18+1 Channel Duplex LC/UPC, Mon Port, 1270-1610nm, 1RU, Ind Temp
CWMUX-40CH-D-1RU-I-AT	Mux Demux CWDM 18+1+1 Channel Duplex LC/UPC, Mon Port, 1270-1610nm, 1RU, Ind Temp