

Technical Datasheet

DWMUX-(X)CH-S-1RU-(I)-AT

Mux & Demux DWDM X Channel Simplex LC/UPC

1RU, Commercial or Industrial Temperature

X = No of Channels

I = Industrial Temp Option

FEATURES

- Low Insertion Loss
- Large Channel Number
- High Isolation Increase System Margin
- High Stability and reliability
- Access Network
- A Thermal Design Operates Over Operating Temperature Range
- Commercial Operating Temperature Range: -5 to 70°C
- Industrial Operating Temperature Range: -40 to 85°C
- RoHS compliant

APPLICATIONS

- WDM transmission
- Metro and long-haul network

DESCRIPTION

ATGBICS® dense wavelength division multiplexer (DWDM Mux/Demux) utilises thin film coating technology and proprietary design of non-flux metal bonding micro-optics packaging.

It provides low insertion loss, high channel isolation, wide pass band, low temperature sensitivity and a thermal design operates over operating temperature range.

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

- C21,C22,C23,C24.....C60 optional channel range
- Monitor port (Mon)
- Extension port (Ext)
- Commercial or Industrial Temperature

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Performance Specifications

Parameter	Value
Operating Wavelength (nm)	C-BAND
ITU Channel	C21,C22,C23,C24.....C60 (optional)
Channel Number	20
Isolation Adjacent channel	≥ 30
Isolation Non-adjacent channel	≥ 40
Min Spacing (GHz)	100
Passband	± 0.11
Insertion Loss (dB)	≤ 3.6
Passband Ripple (dB)	≤ 0.3
Polarization Dependent Loss (dB)	≤ 0.3
Polarization Mode Dispersion (ps)	< 0.10
Return Loss (dB)	> 45
Connector	LC/ UPC
Operating Temperature	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

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Ordering Information

Order SKU	Product Description
DWMUX-8CH-S-1RU-AT	Mux Demux DWDM 4 Channel Simplex LC/UPC, Ch30-33, 1RU
DWMUX-10CH-S-1RU-AT	Mux Demux DWDM 4+1 Channel Simplex LC/UPC, Mon Port, Ch30-33, 1RU
DWMUX-12CH-S-1RU-AT	Mux Demux DWDM 4+1+1 Channel Simplex LC/UPC, Mon/Exp Ports, Ch30-33, 1RU
DWMUX-16CH-S-1RU-AT	Mux Demux DWDM 8 Channel Simplex LC/UPC, Ch30-37, 1RU
DWMUX-18CH-S-1RU-AT	Mux Demux DWDM 8+1 Channel Simplex LC/UPC, Mon Port, Ch30-37, 1RU
DWMUX-20CH-S-1RU-AT	Mux Demux DWDM 8+1+1 Channel Simplex LC/UPC, Mon/Exp Ports, Ch30-37, 1RU
DWMUX-64CH-S-1RU-AT	Mux Demux DWDM 32 Channel Simplex LC/UPC, Ch29-60, 1RU
DWMUX-80CH-S-1RU-AT	Mux Demux DWDM 40 Channel Simplex LC/UPC, Ch20-59, 1RU
DWMUX-96CH-S-1RU-AT	Mux Demux DWDM 48 Channel Simplex LC/UPC, Ch20-67, 1RU
DWMUX-8CH-S-1RU-I-AT	Mux Demux DWDM 4 Channel Simplex LC/UPC, Ch30-33, 1RU, Ind Temp
DWMUX-10CH-S-1RU-I-AT	Mux Demux DWDM 4+1 Channel Simplex LC/UPC, Mon Port, Ch30-33, 1RU, Ind Temp
DWMUX-12CH-S-1RU-I-AT	Mux Demux DWDM 4+1+1 Channel Simplex LC/UPC, Mon/Exp Ports, Ch30-33, 1RU, Ind Temp
DWMUX-16CH-S-1RU-I-AT	Mux Demux DWDM 8 Channel Simplex LC/UPC, Ch30-37, 1RU, Ind Temp
DWMUX-18CH-S-1RU-I-AT	Mux Demux DWDM 8+1 Channel Simplex LC/UPC, Mon Port, Ch30-37, 1RU, Ind Temp
DWMUX-20CH-S-1RU-I-AT	Mux Demux DWDM 8+1+1 Channel Simplex LC/UPC, Mon/Exp Ports, Ch30-37, 1RU, Ind Temp
DWMUX-64CH-S-1RU-I-AT	Mux Demux DWDM 32 Channel Simplex LC/UPC, Ch29-60, 1RU, Ind Temp
DWMUX-80CH-S-1RU-I-AT	Mux Demux DWDM 40 Channel Simplex LC/UPC, Ch20-59, 1RU, Ind Temp
DWMUX-96CH-S-1RU-I-AT	Mux Demux DWDM 48 Channel Simplex LC/UPC, Ch20-67, 1RU, Ind Temp