

8CH DWDM Mux Demux

The 8-Channel DWDM MUX-DEMUX module provides multiplexing and demultiplexing for up to 8 DWDM wavelengths in a single-wide module. All wavelengths fall within the pass-band of a C band channel, allowing the module to be used in DWDM applications to increase the number of wavelength circuits. Integrated monitor ports allow for easy installation and troubleshooting, and integrated expansion ports allow additional DWDM wavelengths to be added in-service. The module is compatible with other DWDM equipment, and can be used in extended temperature range applications.

Product features

1. Low Insertion Loss
2. High Reliability and Stability
3. Low PDL
4. Compact Design
5. Wide Operating Wavelength: 1270nm-1610nm (1261nm~1611nm)
6. Wide Operating Temperature: -20 to +70°C

Product specification

Parameter	Unit	MUX/DEMUX
Channel Number	CH	8
Operating Wavelength	nm	1525~1565 Optional
Center Wavelength@ λ_c	nm	C Band ,ITU Grid
Channel Spacing	nm	0.8nm(100GHz)
Channel Insertion Loss	dB	≤ 2.5
Passband Bandwidth	nm	ITU ± 0.11
Channel Ripple	dB	≤ 0.5
Adjacent Channel Isolation	dB	≥ 30
Non-Adjacent Channel Isolation	dB	≥ 35
Return Loss	dB	≥ 50
Directivity	dB	≥ 50
PDL	dB	≤ 0.15

PMD	ps	≤0.1
Power Handling	mW	≤500
Operating Temperature	°C	-10~+70
Storage Temperature	°C	-40 ~+85
Fiber Type	-	Corning SMF-28e Ultra
Package Size	mm	Standard 1U 19", 44(h)x442(w)x220(d)
Fiber Adapter Type	-	SC or LC

