

COARSE WAVE DIVISION MULTIPLEXER MUX/DEMUX [CWDM-X-X-X-X-X] Fiber Products, Multiplexers

Description

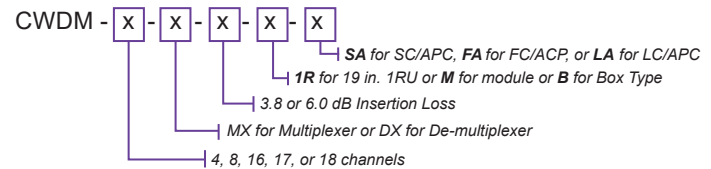
Taikan's CWDM (Coarse Wave Division Multiplexer) has a wide channel with low insertion loss and high isolation/reliability/stability. It offers both multiplexing and demultiplexing capabilities. Encased in a compact housing, the standard type has 8 channels and is mainly used in metropolitan networks and access networks.



Features

- Low Insertion Loss
- High Channel Isolation
- Low Polarization Dependent Loss
- Exceptional Reliability and Stability
- Main Application
- Access Networks
- Metro WDM Systems
- Enterprise Networks

Ordering Information



Performance	Value	Unit	
Operating Wavelength	1270 ~ 1610	nm	
Center Wavelength Accuracy	± 0.5	nm	
Channel Spacing	20	nm	
Channel Passband (@ -0.5 dB Bandwidth)	≥ 13	nm	
Insertion Loss Over Passband (Excluding Connectors)	≤ 3.8 ≤ 6.0	dB	
Channel Uniformity	≤ 1.0 ≤ 1.5	dB	
Channel Ripple	≤ 0.5	dB	
Isolation	Adjacent	≥ 30	dB
	Non-adjacent	≥ 40	dB
Polarization Dependent Loss	≤ 0.10	dB	
Polarization Mode Dispersion	≤ 0.1	ps	
Directivity	≥ 50	dB	
Return Loss	≥ 45	dB	
Power Handling	300	mW	
Operating Temperature	0 ~ 70	°C	
Storage Temperature	-40 ~ 85	°C	
Fiber Type	9/125/900μ fiber		
Optical Connector	FC/APC, SC/APC, LC/APC		
Fiber Length	0.5 ± 0.02	m	
Dimensions	19 × 10.7 × 1.25	in.	
	483 × 272 × 32	mm	

DENSE WAVE DIVISION MULTIPLEXER MUX/DEMUX [DWDM-X-X-X-X] Fiber Products, Multiplexers

Description

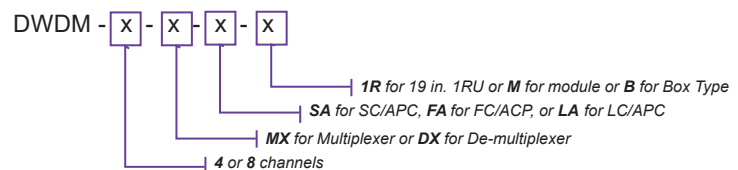
Taikan's DWDM (Dense Wave Division Multiplexer) is manufactured on a mature thin filtering technology and exhibits low insertion loss and high isolation/reliability/stability. It offers both multiplexing and demultiplexing capabilities. Encased in a compact housing, the product can bi-directionally transmit 4 or 8 channels.



Features

- Low Insertion Loss
- High Channel Isolation
- Low Polarization Dependent Loss
- Exceptional Reliability and Stability
- Access Networks
- Metro WDM Systems
- Enterprise Networks

Ordering Information



Performance	Value	Unit	
Downlink Operating Wavelength (Red Band)	1547.4 to 1563.4	nm	
Uplink Operating Wavelength (Blue Band)	1528.0 to 1543.3	nm	
Center Wavelength Accuracy	-0.03 to +0.03	nm	
Channel Spacing	100	GHz	
Channel Passband (@ -0.5 dB Bandwidth)	0.22 <	dB	
In-band ripple	> 0.5	dB	
Insertion Loss	< 6	dB	
Isolation	Adjacent	30	dB
	Non-adjacent	40	dB
Polarization Dependent Loss	<0.2	dB	
Polarization Mode Dispersion	<0.1	ps	
Power Handling	<500	mW	
Fiber Type	SMF-28 900µm loose tube		
Fiber Length	19.7 <	in	
	(0.5)<	m	
Optical Connector	FC/APC, SC/APC, LC/APC		
Dimensions of Module	5x3.15x0.5	in	
	(128x80x12)	mm	
Dimensions 19" 1 RU	19x10.7x1.75	in	
	(483x272x305)	mm	