

# COARSE WAVE DIVISION MULTIPLEXER MUX/DEMUX

[CWDM-X-X-X-X-X]

# TaiTin

## Description

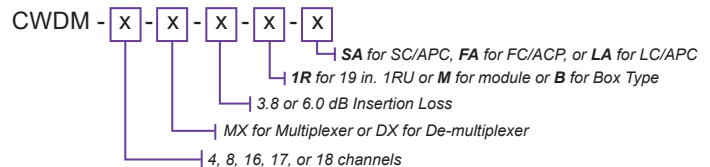
Taikan's CWDM (Coarse Wave Division Multiplexer) has a wide channel with low insertion loss and high isolation/reliability/stability. It offers both multiplexing and demultiplexing capabilities. Encased in a compact housing, the standard type has 8 channels and is mainly used in metropolitan networks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