

# CCWDM Module Spec

The compact coarse wave divider (CCWDM) has a small package size and lower insertion loss compared to conventional CWDMs, and it also solves the problems of fiber shortage and multi-service transparent transmission, mainly in metro network aggregation and access layers, which can be built and operated in a short time. Because of its low cost, low power consumption, small volume and many other advantages, is a low-cost, high-performance transmission solution, has been widely used in metro transmission.

## Features

- Low Insertion Loss
- High Integration
- Excellent Uniformity
- Low PMD
- High stability and reliability



## Application

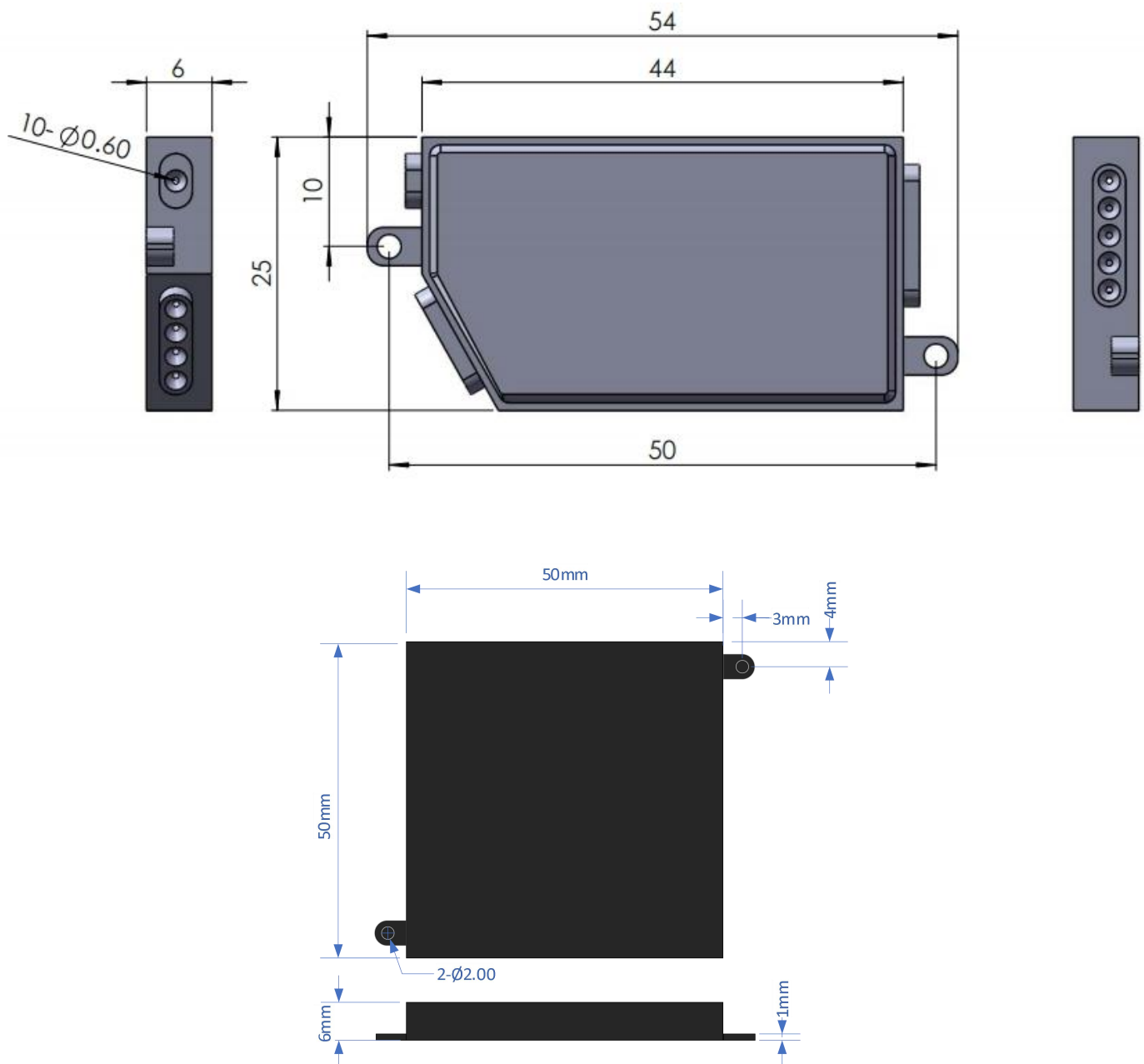
- WDM Transmission System
- Metro Network
- CATV Network
- Data Center

## Performance Specifications

Parameters		Unit	Specifications				
			4CH	8CH	8+E1CH	8+E2CH	18CH
Operating Wavelength		nm	1260-1620				
Channel Wavelength		nm	1270~1610/1271~1611				
Channel Spacing		nm	20				
Channel Passband(@-0.5dB)	Channel Port	nm	≥13				
	UPG	nm	---	---	1310±50	1260~1458	---
Insertion Loss <sup>1</sup>		dB	≤1.0	≤1.5	≤1.5	≤1.5	≤3.0
Isolation	Adjacent	dB	≥30				
	Non-adjacent	dB	≥40				
	UPG	dB	≥15				
Insertion Loss Temperature Sensitivity		dB	≤0.5				
Ripple		dB	≤0.5				
Wavelength Temperature Shifting		nm/°C	≤0.002				
Polarization Dependent Loss		dB	≤0.2				
Polarization Mode Dispersion		ps	≤0.1				
Directivity		dB	≥50				
Return Loss		dB	≥45				
Maximum Power Handling		mW	300				
Operating Temperature		°C	-40~+85				
Storage Temperature		°C	-40~+85				
Package size		mm	L44×L25×H6				L50×L50×H6

**\*Notes: 1. Insertion Loss tested without connector.**

## Mechanical Dimensions

**Order information:**

**CCWDM ModulePN: CCWDM-XXXXXXXX-XX (CCWDM+9 Code+2 Serial Number)**

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