

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

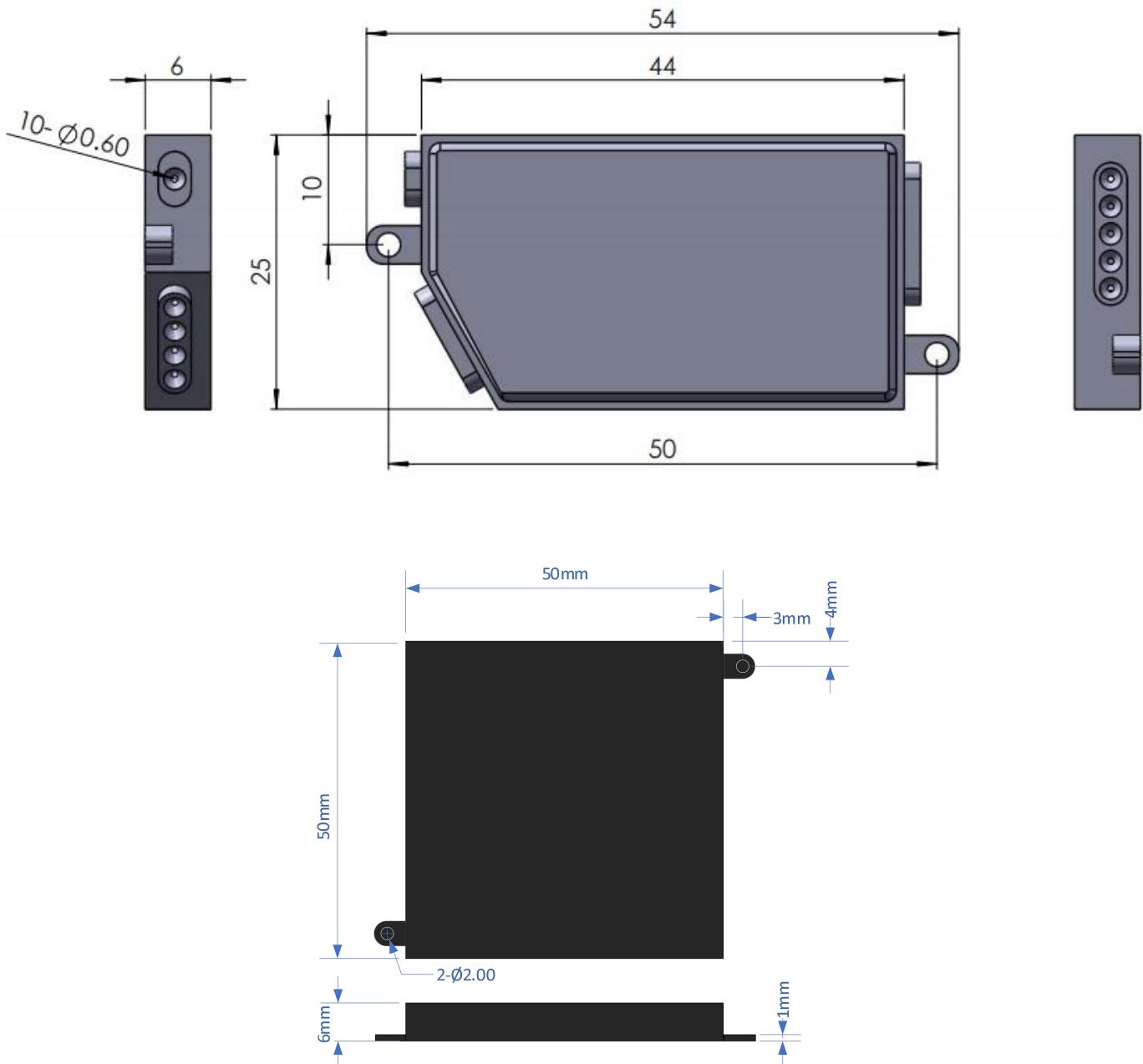
- WDM Transmission System
- Metro Network
- CATV Network
- Data Center

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 ¹	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 Module PN: CCWDM-XXXXXXXX-XX (CCWDM+9 Code+2 Serial Number)