OPTICO 8+1CH CCWDM Datasheet

Widely used in telecommunication network, metropolitan area network, broadband network, PON (passive optical network) network and cable TV link.



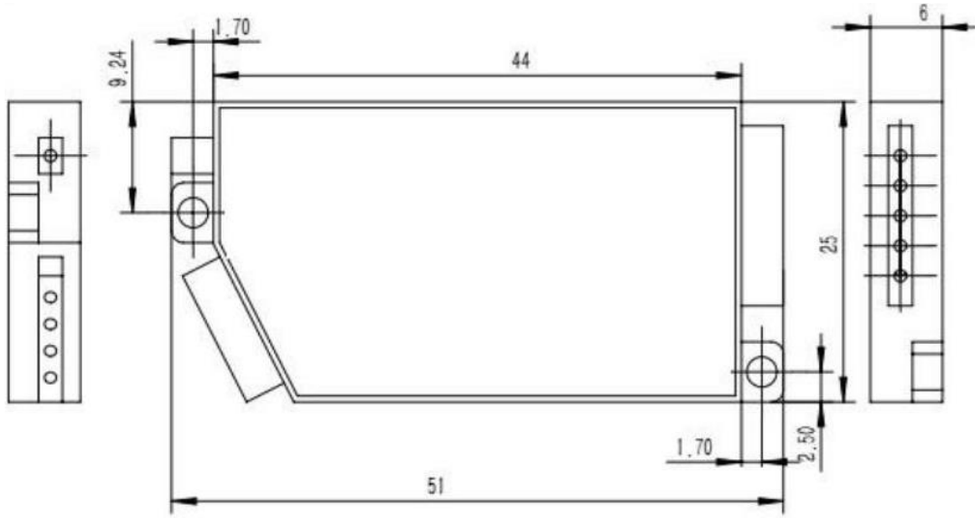
• Description

The CCWDM compact wavelength division multiplexer is a small CWDM wavelength division multiplexer. It adopts thin film filter technology and free space technology, which greatly reduces the product package size and reduces insertion loss. The compact coarse wavelength division multiplexer provided by OPTICO has good thermal stability. There is a pair of collimators between the common end and each channel. The product has low insertion loss and good channel consistency. CCWDM is a substitute for CWDM products.

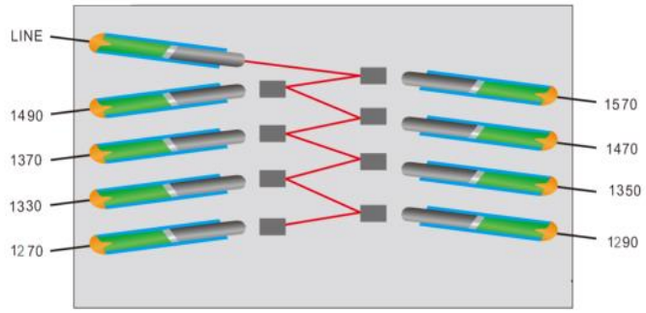
• Advantages

- Low insertion loss
- PDL automatic screening system（Ultra low PDL is available)
- Compact size
- High channel isolation
- High reliability and stability
- CE/ISO/ROHS √
- 100% tested by YOKUGAWA high Precision Spectrometer
- High-low temperature cycle test
- OXC Cabling solution could be design

• Transmission Drawing(Unit: mm)



- **Structure Diagram:**



- **Specifications:**

Parameters		Value	
		Mux	Demux
Channel		8	
Center Wavelength(nm)		1270/1290/1330/1350/1370/1470/1490/1570	
Passband(nm)		ITU±6.5	
Operating Wavelength (nm)		1260-1620	
Insertion Loss (dB)	Port	<1.5	
	Link	<2.5	
Isolation (dB)	Adjacent	>25	
	Non-adjacent	>35	
PDL (dB)		0.2	
PMD (ps)		0.2	
Return Loss(dB)		>40	
Directivity (dB)		>50	
Maximum Optical Power (mw)		300	
Fiber length and connector type		As customized	
Package Dimension (mm)		44*25*6	