

CWDM MUX&DEMUX ABS Module

Description

The CWDM MUX&DEMUX ABS module of HYC is a wavelength division multiplexing technology based on TFF (thin film filter), which has a variety of package sizes and wavelength options; It MUX the optical signals of different wavelengths to a single optical fiber for transmission, and the receiving end uses the DEMUX to decompose the signals in the optical fiber into signals of different wavelengths; Because of the advantages of CWDM, such as wide band and low requirement for system equipment, it has occupied an important position in the access layer of MAN, and is widely used in telecommunications, enterprise network, campus network and other fields.

Features

- Low insertion loss, low PDL
- High isolation
- Working Wavelength Width
- Wide operating temperature
- High reliability and stability
- Package size, wavelength, interface requirements are optional



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Application

- WDM System
- Enterprise network
- Campus network

Specification

Items	Unit	CWDM MUX&DEMUX ABS Module					
Channels	CH	2	4	8	12	16	18
Operating wavelength	nm	1260~1650 & 1460~1650					
Transmission band	nm	±6.5、±7.0、±7.5					
Transmission band insertion loss	dB	≤1.0	≤1.5	≤2.5	≤2.5(with skip)	≤3.0(with skip)	≤3.5(with skip)
Transmission Adjacent Isolation	dB	≥30					
Transmission Non-adjacent isolation	dB	≥45					
Return loss	dB	≥45					
Directivity	dB	≥50					
Ripple	dB	≤0.5					
Package dimension	mm	L120xW80xH18、L120xW80xH10、L100xW80xH10			MINI: L100xW45xH10、L80xW60xH12		
Operating temperature	°C	-40~+85					
Fiber type		900um loose tube(or customize)					
Connector type		LC/PC(or customize)					