

3Port CWDM

3port Coarse Wavelength Division Multiplexer

Description

Three-port CWDM device is mainly used in passive wavelength division multiplexing module. It is a kind of wavelength division multiplexing technology based on TFF (thin film filter). It has a variety of package sizes and wavelength options. It consists of three ports: COM, Pass and Reflect. The wavelength range meets the ITU-I G.695 standard. It can multiplex, demultiplex or add-drop multiplexing different light in WDM system, as well as increasing signal transmission speed and communication capacity. CWDM device is widely used in telecommunications, radio and television, enterprise network, campus network and other fields.

Features

- Low insertion loss, low polarization loss
- High isolation
- Wide working wavelength range
- Wide operating temperature
- High reliability and stability
- Small package size, compact structure and space saving



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Application

- WDM System
- PON System
- Broadcast Cable Television Network

Specification

Items	Unit	3Port CWDM
Operating wavelength	nm	1260~1620nm&1460~1620nm
Transmission band	nm	±6.5nm、±7.0nm、±7.5nm
Transmission band insertion loss	dB	≤0.6
Reflection band insertion loss	dB	≤0.4
Transmission Adjacent Isolation	dB	≥30
Transmission Non-adjacent isolation	dB	≥45
Reflection Isolation	dB	≥15
Return loss	dB	≥45
Directivity	dB	≥50
Ripple	dB	≤0.3
Package dimension	mm	Φ4.0xL30mm; MINI: Φ3.2xL30mm、Φ3.0xL30mm、Φ2.6xL25mm、Φ2.2xL25mm
Operating temperature	°C	-40~+85