Thermal AWG DWDM Mux / Demux Multiplexer 48channels

Dense optical wavelength division multiplexing (DWDM) is a combination of a group of optical wavelengths for transmission with a single fiber. This is a laser technology used to increase bandwidth on existing fiber backbone networks. More precisely, this technique is to multiplex the close spectral spacing of a single fiber carrier in a specified fiber in order to utilize the transmission performance that can be achieved (for example, to achieve the minimum degree of dispersion or attenuation). In this way, under a given information transmission capacity, the total number of optical fibers required can be reduced.







Place of Origin: Shenzhen, China

Brand Name: OPTICO

Model Number: OP-DWDM-48CH

Product name: Thermal AWG DWDM Mux / Demux Multiplexer 48channels

Wavelength: 15xx.xxnm

Connector: SC / LC

Logo: OPTICO or OEM

Operating wavelength: ITU 100GHz Grid

channel: 48ch

Certification: ISO, RoHS

Warranty: 1 year

Supply Ability: 1000 pcs/month

Packaging: 1pcs/inner box, suitable quantity per carton

Port: Shenzhen

Features

DWDM MUX is based on the use of the wavelength ITU grid

High Channel Isolation

Low Insertion Loss

Optical Path Epoxy Free

Telcordia 1221 Compliant

Ultra Low TDL

Applications

DWDM Network

PON Networks

CATV Links

Fiber Optical Amplifier

Performance Specifications:

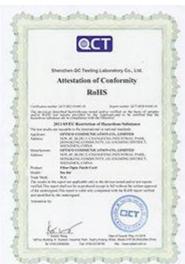
Parameter			Unit	Value		
Central Wavelength			nm	ITU-T Grid		
Channel Spacing			nm	0.8 (100GHz)		1.6 (200GHz)
Number of Channels				8	16	8
Channel Passband		Min	nm	0.11	0.11	0.25
Insertion Loss		Ту	dB	3	4	3
		Max	dB	2.5	3.5	3.5
Ripple		Max	dB	0.5	0.5	0.5
Channel Uniformity		Max	dB	1	1.5	1
Isolation	Adjacent Channels	Min	dB	25		
	Non-adjacent Channels	Min	dB	40		
Directivity		Min	dB	50		
Optical Return Loss		Min	dB	45		
PDL		Max	dB	0.15		
Thermal Stability		Max	dB/°C	0.007		
Thermal Wavelength DriftMax		Max	nm/°C	0.001		
Operating Temperature			°C	0 to 70		
Storage Temperature			°C	- 40 to 85		
Package Dimension			mm	140 100 13		
Maximum Power Handling			mW	300		

Certification:









CE CPR ISO RoHS

Factory Workshop:







OPTICO COMMUNICATION (www.fiberopticom.com) focuses on the development of fiber optic network communication product lines and provides a comprehensive solution to the fiber connectivity system components. We supply fiber optic components, such as fiber patch cord, fiber adapter, PLC splitter, SFP, fiber transceiver, MTP/MPO, CWDM/DWDM, FTTH solution, Data center wiring solution, etc. All the products adopt strict quality standards in the production and inspection, ensuring excellent operation performance and good product stability, and safely and reliably ensuring the long-term use of products.

For more details, pls visit OPTICO website: www.fiberopticom.com.