OPTOWAVES, INC.

Dense Wavelength Division Multiplexer

Optowaves' DWDM module is designed to de-multiplex or multiplex signals in dense WDM system. Manufactured by thin-film filter technology and epoxy-free optical path,the DWDM features low insertion loss,high isolation, excellent environmental stability. Optowaves' DWDM has met Bellcore GR-1209-CORE requirements.

Optowaves, Inc.

DWDM-2-8-1549.32-1-FC/UPC

S/N: 80108884

Features
- •100GHz(0.8nm)/200GHZ(1.6nm) Channel Spacing
- • High Isolation
- • Low Insertion Loss
- • Epoxy-free Optical Paths

Applications
- • Dense WDM Systems
- • Unidirectional/Bi-Directional Systems
- • CATV Fiberoptic Links

Specifications

Item	Unit	Specifications			
Channel Spacing		100GHz		200GHz	
Channel Number		8	16	4	8
Central Wavelength	nm	1550		1550	
Channel Passband	nm	>0.2		>0.5	
Passband Flatness	dB	<0.5		<0.5	
Insertion Loss	dB	Typ. 2.5 Max 3.5	Typ. 5.5 Max 6.5	Typ. 1.5 Max 2.5	Typ. 3.0 Max 4.0
Adjacent Channel Isolation	dB	>25			
Non-adjacent Channel Isolation	dB	>40			
Wavelength Thermal Stability	nm/°C	<0.001		<0.002	
Insertion Loss Thermal Stability	dB/°C	<0.008		<0.007	<0.008
Polarization Dependent Loss	dB	<0.15			
Return Loss	dB	>45			
Operating Temperature	°C	0 to +65		-5 ~ +70	
Storage Temperature	°C	-40 to +85			

Ordering Information

CWDM-☐-☐-☐-☐-☐-☐

→ Connector Type: FC/APC, FC/UPC, SC/APC, SC/UPC or others

→ Pigtail Length (Unit:M)

→ Cable Type: 09:Φ0.9mm, 20:Φ2.0mm

→ Start Wavelength

→ Channel Number: 4:4 Channel, 8:8 Channel or others

→ Channel Spacing: 1:100GHz, 2:200GHz