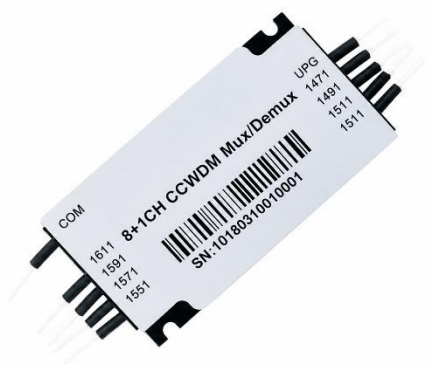
FICER Technology Co., Ltd.
明虹科技股份有限公司
2F, No.138, Daye Rd., Beitou Dist.,
Taipei City 112030, Taiwan
www.Ficer.com

SKU: P2HCC01

CCWDM (Compact Coarse Wavelength Division Multiplexer)

Part Number: FCWM-xxCxxxxx-xxxxx-xx



Overview

Ficer's CCWDM (Compact Coarse Wavelength Division Multiplexer) features ultra-low insertion loss, super thermal stability and reliability. It works at 20nm channel spacing and up to 18 channels 1271~1611nm based on the technology of TFF(Thin Flim Filter) and Free Space optics. This CCWDM is Telcordia GR-1209, GR-1221 and ITU-T G.694.2 compliant, it could be customized in different configuration and package to meet various application requirements.

Applications

- Telecommunication system
- 4G / 5G Mobile Networks
- Testing instruments
- Metro / Access Networks
- CATV System
- CWDM Networks

Features

- Compliant with Telcordia GR-1209, GR-1221
- Compliant with ITU-T G.694.2
- Low PDL and High Isolation
- Flat and Wide Passband
- Epoxy free optical path and excellent Reliability
- Operating Temperature -10~+70°C
- Maximum Power Handling 500mW
- RoHS Compliant

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Specifications

T_{OP} = -10 °C to 70 °C

Parameter		Specification Values				
Operating Wavelength (nm)		1260 to 1620				
Channel Number		4	8	8+U1	12	18
Channel Central Wavelength (λc, nm)		1271, 1291, 1311, 1331, 1351, 1371, 1391, 1411, 1431, 1451, 1471, 1491, 1511, 1531, 1551, 1571, 1591, 1611				
Passband (nm)	Wavelength Channels	λc ± 6.5				
	Upgrade Port			1310±50		
Channel Spacing (nm)		20				
Insertion Loss (dB)	Wavelength Channels	≤ 1.0	≤ 1.5	≤ 1.5	≤ 2.0	≤ 3.0
	Upgrade Port			≤ 1.2		
Channel Passband Ripple (dB)		≤ 0.5				
Isolation (dB)	Adjacent	≥ 30				
	Non-adjacent	≥ 40				
	Upgrade port	≥ 15				
Polarization Dependent Loss (dB)		≤ 0.2				
Polarization Mode Dispersion (ps)		≤ 0.2				
Directivity (dB)		≥ 55				
Return Loss (dB)		≥ 45				
Maximum Power Handling (mW)		500				
Operating Temperature (°C)		-10 ~ +70				
Storage Temperature (°C)		-40 ~ +85				

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Ordering Information

FCWM-□□C□□□□□-□□□□□-□□

Channel
01: 1CH 08: 8CH
02: 2CH 16: 16CH
04: 4CH 18: 18CH

Begin & End Wavelength
27: 1271nm 29: 1291nm
….
59: 1591nm 61: 1611nm

Upgrade / Express Port
3: 1310 UPG X: Customization
E: Express

Package
1: 44x28x6 R: Rack
2: 53.8x28x8 L: LGX Box
3: 50x50x6 X: Customization

Cable Diameter (Package = 1,2,3)
9: 0.9mm B: Bare Fiber

Rack / LGX Color (Package = R,L)
B: Black G: Gray W: White E: Beige

Cable Jacket (Package =1,2,3)
P: PVC H: Hytrel P: PVC H: Hytrel

Rack / LGX Material (Package = R,L)
A: Aluminum S: SPCC

Cable Length (Package = 1,2,3)
10: 1M 20: 2M 30: 3M
03: 30cm 05: 50cm 15 1.5M

Rack Dimension (Package = R)
1U: 1U 2U: 2U

LGX Box Dimension (Package = L)
1S: 1 Slot 3S: 3 Slot
2S: 2 Slot 4S: 4 Slot

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Connector / Adaptor Type

F:	FC type	P:	PC / UPC type
S:	SC type	A:	APC type
T:	ST type	X:	None
L:	LC type		
C:	DSC		
D:	DLC		
U:	MU		
E:	E2000		
X:	None		

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