

SFW-C

Coarse Wavelength Division Multiplexer (CWDM)

Description:

SFW-C series coarse wavelength division multiplexer and demultiplexer (CWDM) modules are reliable, cost effective solutions to multiservice applications. They multiply the capacity of existing singlemode fibers, by combining up to 16 ITU-T G.694.2 compatible (20 nm) channels in metropolitan, access and enterprise networks and for Cable TV applications. They are a low cost approach for systems that use uncooled laser sources, and are an alternative to more expensive DWDM components based on 100 GHz or 200 GHz channel spacing.

Features:

- High port isolation
- Custom defined specifications
- Low insertion loss
- Low polarization dependent loss
- Transmission with high directivity
- Wide spectral channels
- Environmentally stable
- Wide range of packaging types min. bend radius protection

Applications:

- Optical networks
- Telecommunication systems
- Data communication systems
- **CATV**



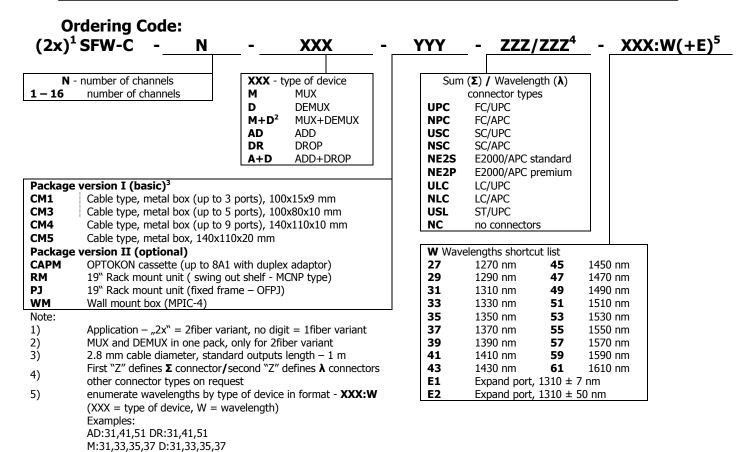


Feature	Specification	Feature	Specification
Channel spacing	20 nm	PDL	≤ 0.1 dB
Pass bandwidth	Typ. 14 nm	Max. optical power	300 mW
Pass band flatness	0.3 dB	Operating temperature (Conditioned by the cable type)	-10 to +70 °C
Min Isolation	≥ 40 dB non-adjacent channel ≥ 30 dB adjacent channel	Storage temperature (Conditioned by the cable type)	-40 to +85 °C
Return loss	≥ 50 dB	Package dimensions	Refer to ord. code
Directivity	≥ 50 dB		
WARNING	This product should never be inst emissions	called in an optical network	handling above Class I

	Insertion loss (dB)* (without connectors)													
4 Channels		CWDM 4 + E		CWDM	DM 6 CH CWDM 6 + E		CWDM 8 CH		CWDM 8 + E		CWDM 16 + E			
Тур.	M+D	Тур.	M+D	Тур.	M+D	Тур.	M+D	Тур.	M+D	Тур.	M+D	Тур.	M+D	
1.5	2.5	1.7	3.0	2.1	3.7	2.3	4.1	2.5	4.5	2.7	4.9	4.8	8.8	

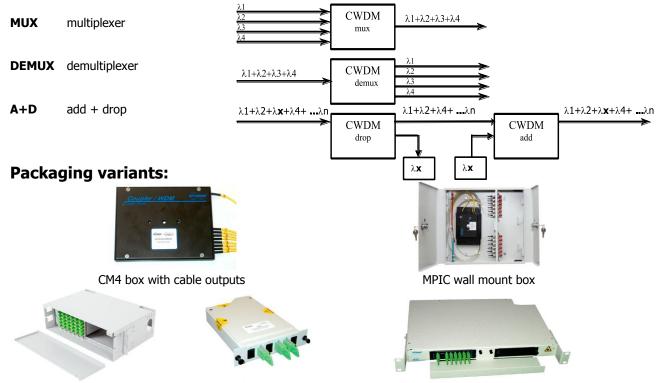
^{*)} M+D: Insertion loss Multiplexer+ Demultiplexer





Block diagram of typical applications

M+D: 31,49,51,55 M:47,49,51,53 +E2



3U rack mount chassis for 12x CAPM cassettes

1U 19" frame - MCNP type