

F-CCMUX-4-xyyy-O9L

4-channel compact CWDM mux/demux



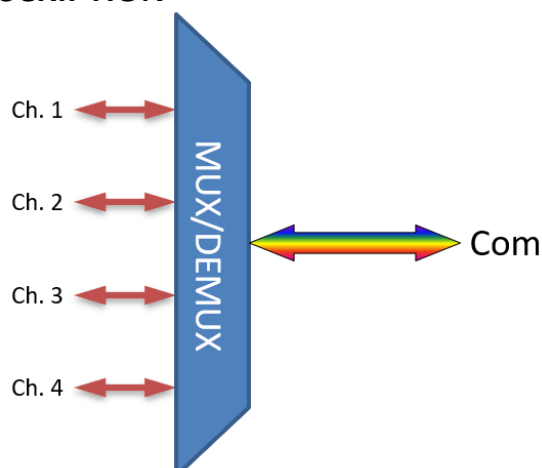
DESCRIPTION

These compact CWDM multiplexer/demultiplexers cover 4 CWDM channels. The form factor makes it very convenient for use in fiber optic splicing enclosures or other small spaces.

FEATURES

- Coarse WDM in compliance with ITU-T G.694.2
- Standard 4-channel CWDM, 20 nm spacing
- Very low insertion loss
- Based on thin film optics with epoxy free optical path
- Protocol transparent (support 1G, 10G etc.)
- 0.5 meter pigtailed, 250µm primary coated Corning SMF-28 fiber with 900µm loose tube
- LC/UPC connectors
- Can be used for multiplexing or demultiplexing
- Reliability and durability tested according to Telcordia GR-1221-CORE and GR-1209-CORE

FUNCTIONAL DESCRIPTION



TECHNICAL DATA

Parameter	Unit	Value
Center Wavelength (depending on variant)	nm	1271, 1291, 1311, ... , 1611
Insertion loss	dB	< 1.8 (see note below)
Insertion Loss – 1310 wide band port	dB	< 1.2 (see note below)
Channel Spacing	nm	20
Channel Flatness	dB	< 0.3
Channel Bandwidth	nm	+/- 6.5
Channel Uniformity	dB	< 1.0
Adjacent channel isolation	dB	> 30
Non-adjacent channel isolation	dB	> 40
Directivity	dB	> 55
Return Loss	dB	> 45
PDL	dB	< 0.15
PMD	ps	< 0.1
Power Handling	mW	> 500
Operating temperature	°C	-30 to +70
Storage temperature	°C	-40 to +85
Dimensions (H x L x W)	mm	7.4 x 54 x 32

Note: Insertion loss values are valid for 0 – 70 °C. For temperatures from 0 to -30 °C add 0.3 dB.

ORDERING INFORMATION

Product number	Description
F-CCMUX-4-2733-09L	Fiberworks compact 4 ch. CWDM Mux/Demux 1271-1331, 900µm pigtails with LC/UPC
F-CCMUX-4-5157-09L	Fiberworks compact 4 ch. CWDM Mux/Demux 1511-1571, 900µm pigtails with LC/UPC