

F-CCMUX-18-2761-09

18 channel compact CWDM mux/demux for splicing enclosures



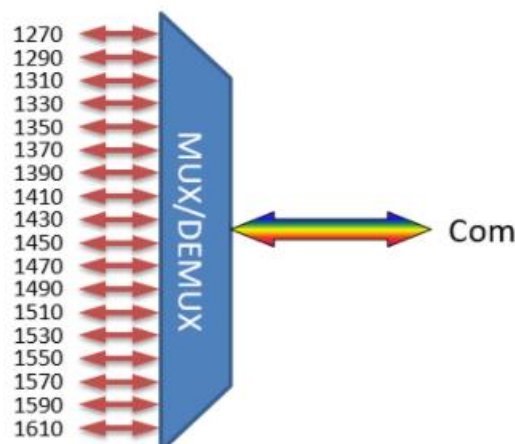
DESCRIPTION

This compact CWDM multiplexer/demultiplexer covers all 18 CWDM channels. The form factor makes it very convenient for use in fiber optic splicing enclosures.

FEATURES

- Coarse WDM in compliance with ITU-T G.694.2
- Standard 18-channel CWDM band 1270 – 1610 nm, 20 nm spacing
- Very low insertion loss
- Based on thin film optics with epoxy free optical path
- Protocol transparent (support 1G, 10G etc.)
- 1 meter pigtailed, 900µm loose tube fiber with or without 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	nm	1271, 1291, 1311, ... , 1611
Insertion loss	dB	< 3.3 (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	6 x 50 x 50

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-18-2761-O9	Fiberworks compact 18 ch. CWDM Mux/Demux C27-C61, for splice trays, 900µm pigtails
F-CCMUX-18-2761-O9L	Fiberworks compact 18 ch. CWDM Mux/Demux C27-C61, 900µm fibers with LC/UPC connectors