



## Flashlink

CWDM-18

# Optical 18-channel CWDM filter

The CWDM-18 is an optical multiplexer that can multiplex up to 18 CWDM sources on a single optical fiber for the Flashlink range with only 5.4dB link insertion loss.

The CWDM filter has high channel isolation and can therefore be used in a bi-directional system. The module can be used as a multiplexer or de-multiplexer and uses a single slot in a Flashlink frame or can be used, standalone, in an N-box.

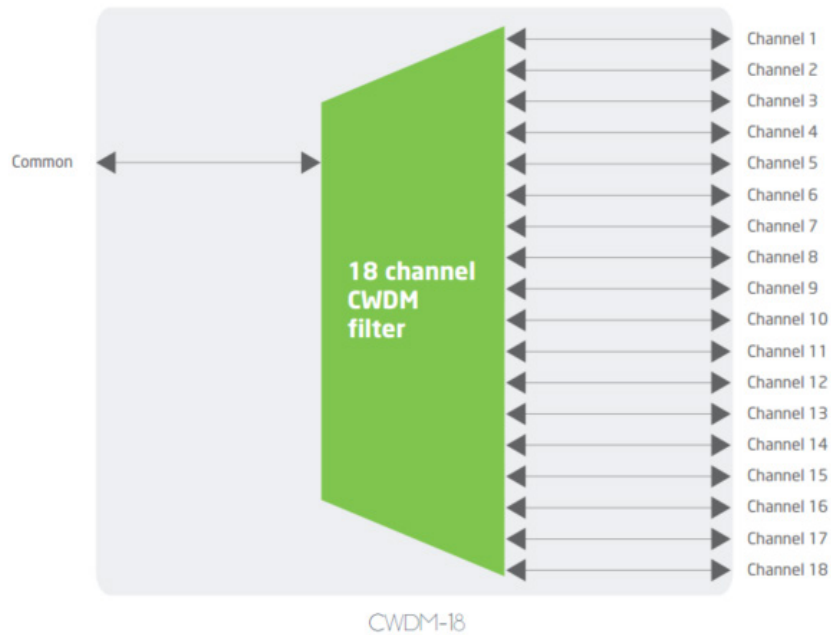
The CWDM-18 can be used together with the Flashlink optical converter, including the L-band, and with Flashlink Compact and VikinX Optical Sublime with CWDM SFP to transmit 18 signals over a single fiber..

### Applications

- CWDM networks
- Dark fiber networks
- Optical video networks
- Broadcast contribution networks
- Event production

### Key features

- 18 channels per fiber
- 5.4dB link insertion loss
- Bi-directional
- Can be used as multiplexer or de-multiplexer
- Occupies a single slot in a Flashlink frame
- Can be used standalone in an N-box



### Supported standards

Wavelengths ITU-T G694.2

### Optical ports

Number of ports 18 and one common port

Connectors LC/UPC, single mode

Return loss >45dB

### Optical filter

Center wavelength

1271, 1291, 1311, 1331, 1351, 1371, 1391, 1411, 1431, 1451, 1471, 1491, 1511, 1531, 1551, 1571, 1591, 1611

Channel spacing 20nm

Pass band  $\pm 6.5\text{nm}$

Insertion loss <2.7dB  
maximum w/connector

Isolation adjacent >30dB  
channel

Isolation >40dB  
non-adjacent channel

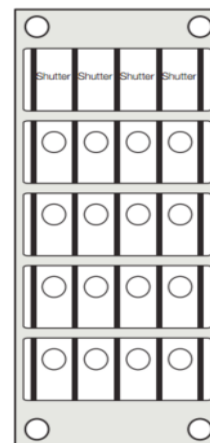
Ripple passband <0.5

Directivity >45dB

Power Handling >300mW

### Ordering options

19439 CWDM filter 1270-1610nm, 18 channel  
CWDM-18



CWDM-18 Back panel



## CONTACT INFORMATION

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