

8-channel multiplexer and demultiplexer CWDM

C-MX-8/2-47:61/U/M-KAS-2-LCP

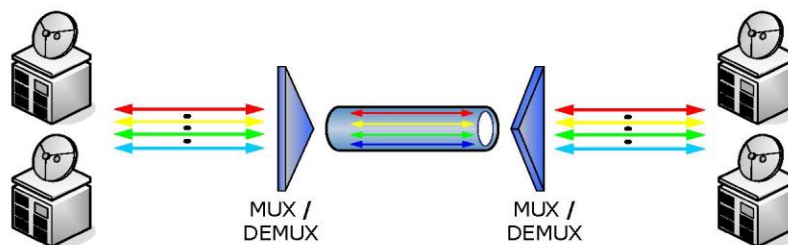
CWDM multiplexers and demultiplexers enable multiplication of transmission in the wavelength domain.



An example of a CWDM multiplexer and demultiplexer in a KAS cassette housing

main features:

- allow multiple signals of different wavelengths to be transmitted using a single fiber or a fiber pair;
- 8 CWDM channels;
- a solution for a fiber pair;
- additional expansion port 1,460-1,620 nm;
- additional 1% TAP monitoring port;
- channel spacing 20 nm.
- low insertion loss;
- high channel isolation;
- a fully passive component;
- no power supply and maintenance;
- mounted in cassette modules;
- modules mounted in 19" 1U frames;
- a wide variety of connectors and adapters available.



A CWDM multiplexer/demultiplexer operation diagram

market segments:



TELECOMMUNICATIONS AND MOBILE OPERATORS



ISP AND CATV OPERATORS



ISP AND CATV OPERATORS



ENERGY SECTOR



DESIGNERS AND CONTRACTORS



DEVELOPERS



UNIVERSITIES



SYSTEM MANUFACTURERS AND INTEGRATORS



UNIFORMED SERVICES



UTILITY COMPANIES



RAILWAY

8-channel multiplexer and demultiplexer CWDM

C-MX-8/2-47:61/U/M-KAS-2-LCP

technical parameters:

CWDM modules		
CWDM ports		
number of channels	8	
central wavelengths (λ_c) [nm]	1471, 1491, 1511, 1531, 1551, 1571, 1591, 1611	
bandwidth (B_w) [nm]	+/- 6.5	
channel spacing [nm]	20	
insertion loss IL [dB]*	< 2.7	
polarization stability PLD [dB]	< 0.2	
channel isolation [dB]	adjacent channels	> 30
	non-adjacent channels	> 40
UPG expansion port		
bandwidth (B_w) [nm]	1,260-1,460	
insertion loss IL [dB]*	< 2.7	
monitoring port 1% TAP		
insertion loss IL [dB]*	< 23.0	
values common to all ports:		
directionality [dB]	> 50	
reflectance [dB]	> 50	
optical power [mW]*	< 300	
operating temperature [°C]	-40 to +85	
storage temperature [°C]	-40 to +85	
housing type and dimensions:		
modular cassette housing (W x H x D) [nm]	197 x 22 x 152	
connector / adapter type	LC/PC	

* the value given takes into account attenuation from connectors and adapters