CWDM multiplexer/demultiplexer

Features:

- up to 16 wavelengths in a single fibre
- 20 nm channel spacing
- increases network wavelngth capacity without installation of new cables
- available in multiplexer, demultiplexer and add/drop multiplexer configurations
- offered in MPPO-1 LGX compatible modules

Technical specifications:

CWDM Multiplexer/Demultiplexer			
number of optical channels		2, 4, 8 or 16	(2,4, or 8) +broadband channel 1310 nm
operating wavelength range [nm]		1260~1620	
channel central wavelengths [nm]		1271, 1291...1471, 1491...1571, 1591, 1611	1471, 1491, 1511, 1531, 1551, 1571, 1591, 1611
1310 nm channel wavelength range [nm]		-	1260~1360
channel spacing [nm]		20	
CWDM channels' band [nm]		$\lambda\pm6{,}5$	
insertion loss (line - 1310 nm channel) [dB]		-	≤0,8
insertion loss (line - CWDM channel)	2-channel	≤1,0	≤1,3
	4-channel	≤1,5	≤1,8
	8-channel	≤3,0	≤3,3
	16-channel	≤4,5	-
channel uniformity [dB]		≤0,5	
isolation (demultiplexer) [dB]	adjacent channels	≥30	
	non-adjacent channels	≥40	
return loss [dB]		≥50	
directivity [dB]		≥50	
PMD [ps]		≤0,2	
PDL [dB]		≤0,2	
operating temperature [ºC]		0 ~ +70	

* Parameters in the above table are specified for unterminated device.

Ordering:

MPPO-1-1xCWDM-4Ch-M-SCa - four channel CWDM multiplexer, in fulfilling LGX standard MPPO-1 closure, with five SC/APC adapters, channels according to client's demand

CWDM multiplexer
with 900 µm buffered fibre leads

CWDM demultiplexer in MPPO-1 module

CWDM multiplexer/demultiplexer
in 19 inch patch panel

passive optical devices