

CWDM MULTIPLEXER/DEMULTIPLEXER

**FEATURES:**

- up to 16 wavelengths in a single fibre
- 20 nm channel spacing
- increases network wavelength capacity without installation of new cables
- available in multiplexer, demultiplexer and add/drop multiplexer configurations
- offered in MPPPO-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]	$\lambda \pm 6,5$		
insertion loss (line - 1310 nm channel) [dB]	-		$\leq 0,8$
insertion loss (line - CWDM channel)	2-channel	$\leq 1,0$	$\leq 1,3$
	4-channel	$\leq 1,5$	$\leq 1,8$
	8-channel	$\leq 3,0$	$\leq 3,3$
	16-channel	$\leq 4,5$	-
channel uniformity [dB]	$\leq 0,5$		
isolation (demultiplexer) [dB]	adjacent channels	$\geq 30$	
	non-adjacent channels	$\geq 40$	
return loss [dB]	$\geq 50$		
directivity [dB]	$\geq 50$		
PMD [ps]	$\leq 0,2$		
PDL [dB]	$\leq 0,2$		
operating temperature [°C]	0 ~ +70		

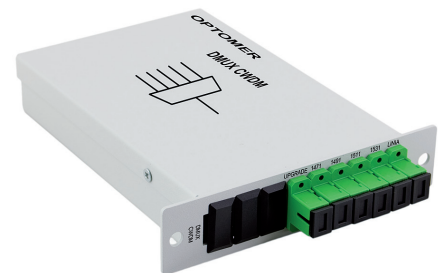
NOTE: parameters in the above table are specified for unterminated device.

**ORDERING:**

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



*CWDM multiplexer with 900 µm buffered fibre leads*



*CWDM demultiplexer in MPPPO-1 module*



*CWDM Multiplexer/Demultiplexer in 19inch patch panel*