



DWDM multiplexer with 900µm buffered fibre leads



DWDM multiplexer/demultiplexer in 19 inch patch panel

# DWDM multiplexer/demultiplexer

## Features:

- up to 16 wavelengths in a single fibre
- 100 GHz or 200 GHz channel spacing
- increases network wavelength capacity without installation of new cables
- Offered in MPPPO-1 closure, fulfilling LGX standard
- high temperature stability
- low insertion loss
- high channel isolation

## Technical specifications:

DWDM multiplexer/demultiplexer						
number of channels	4	8	16	4	8	16
filter type	100 GHz			200 GHz		
channel bandwidth [nm]	λ±0,11			λ±0,25		
max. insertion loss [dB]	2,5	3,5	4,8	2,2	3,3	4,6
channel uniformity [dB]	≤1,5					
adjacent channel isolation (demultiplexer) [dB]	≥25			≥30		
non-adjacent channel isolation (demultiplexer) [dB]	≥35			≥40		
PDL [dB]	≤0,1					
PMD [ps]	0,1					
directivity [dB]	≥55					
return loss [dB]	≥45					
central wavelength stability [nm/°C]	0,002					
thermal stability [dB/°C]	0,006					
maximum optical signal power [mW]	300					
operating temperature [°C]	-5 - +70					

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

## Ordering:

PS-19/12-1xDWDM-4CH100-M/D-SCA – four channel DWDM multiplexer/demultiplexer in PS-19/12 patch panel, SC/APC adapters, channel wavelengths to be specified by the customer