

OPTICAL WAVELENGTH DIVISION MULTIPLEXER

Optical wavelength- division multiplexer multiple optical carrier signals on a single optical fibre by using different wavelengths to carry different signals.

- CWDM- channels available
- Low insertion loss
- Wide pass band
- High channel isolation
- High stability and reliability
- Compatible with any FTTX PON technology



Type	OWDM 1-02 SC-MT	OWDM 1-02 SC RFoG E
Item No.	57002340	57003412
Description	Opt. WDM, 1250-1620 / DS DS: 1540-1560 SC/APC mini tube	Opt. WDM, 1250-1620 / DS DS: 1530-1570 SC/APC mini tube

Type	ODWDM MUX 1-8	ODWDM DEMUX 1-8	ODWDM MUX 1-4	ODWDM DEMUX 1-4
Item No.	57003012	57003013	57003014	57003015
Optical DWDM	DWDM multiplexer	DWDM de-multiplexer	DWDM multiplexer	DWDM de-multiplexer
MUX/DEMUX	8 ITU-channels	8 ITU-channels	4 ITU-channels	4 ITU-channels
C Band: (1528,77 -1563,86)	ITU 21, 22, 24, 26, 28, 33, 36, 39	ITU 21, 22, 24, 26, 28, 33, 36, 39	ITU 44, 48, 52, 54	ITU 44, 48, 52, 54
L Band: (1569,59 - 1604,03)	on request	on request	on request	on request

Type		OWDM 1-xx SC	ODWDM (DE)MUX 1-x
Operation wavelength (λ)	nm	1250 ...1620, CWDM- channels (ITU-T G.694.2)	C-band / L-band
Center wavelength	nm	± 0.5	± 0.03
Channel spacing	nm	20 (CWDM- Network)	ITU ± 0.11
Insertion loss			
1 x 2	dB	< 0.7	< 1.4
1 x 3	dB	< 1.4	-
1 x 4	dB	< 1.5	< 2.0
1 x 8	dB	< 3.0	< 3.0
1 x 16	dB	<3.8	max. 5.2
Channel ripple	dB	≤ 0.3	≤ 0.5
Isolation	dB	≥ 40	adjacent ≥ 25; non-adjacent ≥ 45
Return loss	dB	≥ 45	≥ 50
Max. input power	dBm	24.5	24.5
Operating temperature	°C	0 ~ +70	0 ~ +70
Storage temperature	°C	-40 ~ +85	-40 ~ +85
Dimensions	mm	482 x 225 x 44 or Mini Tube	120 x 80 x 12 or 1 RU