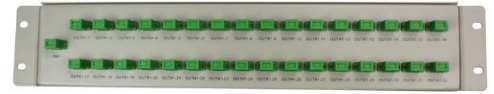# Optical Splitter PLC Rack Mount

OSP-R

Overview

This optical splitter rack mount use Planer Lightwave Circuit (PLC) technology for split ratio 2, 4, 8, 16 and 32. The Optical splitter rack mount is designed by standard of YD/T2000-2009, YD/T1117-2001. Optical splitter rack mount is using metal box packaging which can be installed in 19" frame or cabinet. Application for FTTX network, LAN/WAN or CATV network.

Features

- Low Insertion loss
- Low PDL
- Compact Design
- Good channel-to-channel uniformity
- Wide Operating Wavelength: From 1260nm to 1650nm
- Wide Operating Temperature: From -40℃to 85℃
- High Reliability and Stability

Technical Specification 1×N Series

Parameters	1×4	1×8	1×16	1×32	1×64	1×64
Operation Wavelength (nm)	1260 - 1650					1310 ± 40 1490 ± 10 1550 ± 40
Insertion Loss (dB)	≤ 7.4	≤ 10.7	≤ 13.9	≤ 17.2	≤ 21.5	≤ 20.1
PDL	≤0.3	≤0.3	≤0.3	≤0.3	≤0.5	≤0.3
Uniformity of I.L	≤0.8	≤ 1.0	≤ 1.4	≤ 1.6	≤ 2.0	≤ 1.6
Return loss (dB)	≥ 55					
Directivity (dB)	≥ 55					
Working / Storage Temperature (℃)	-40 ~ + 85					

Technical Specification 2×N Series

Parameters	2×4	2×8	2×16	2×32	2×64	2×64
Operation Wavelength (nm)			1260 - 1650			1310 ± 40 1490 ± 10 1550 ± 40
Insertion Loss (dB)	⩽ 7.6	⩽ 11.0	⩽ 14.8	⩽ 17.9	⩽ 21.5	⩽ 20.1
PDL	⩽ 0.3	⩽ 0.3	⩽ 0.3	⩽ 0.3	⩽ 0.3	⩽ 0.5
Uniformity of I.L	⩽ 0.8	⩽ 1.0	⩽ 1.4	⩽ 1.4	⩽ 1.6	⩽ 2.0
Return Loss (dB)	≥ 55					
Directivity (dB)	≥ 55					
Working / Storage Temperature (℃)	-40 ~ + 85					

Operation Conditions

Temperature	-40℃ -- 85℃
Humidity	93% at 40℃
Air Pressure	62kPa – 101kPa

Shipping Information

Package Contents	Optical Splitter PLC Mini Type 1 unit
Package Dimensions(W*H*D)	It depends on the dimensions of the product.
Material	Plastic Box
Weight	It depends on the weight of the product.
Lead Time	10-15 working days normally

Part Details

Ratio: 1 / 2×32.

Dimension: 44.5×483×200 (L×W×D mm).

Adapter: FC SC.

SC connector: Φ 2.0 mm.

Ratio: 1 / 2×64.

Dimension: 89×483×200 (L×W×D mm).

Adapter: FC SC.

SC connector: Φ 2.0 mm.

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LONGXING

Structured Cabling Solutions

Catalog Number

OSPR - ▢▢▢▢▢▢▢▢

Parameters	
D = 1 x 16	
E = 1 x 32	
F = 1 x 64	
I = 2 x 16	
J = 2 x 32	
K = 2 x 64	
O = Other*	

Connector Type	
SU = SC UPC	
SA = SC APC	
FU = FC UPC	
FA = FC APC	
OO = Other*	
NN = No requirement	

Splitter Type	
W = Mini type	
H = Cassette type	
O = Other*	
N = No requirement	

Cable Length	
Enter the length required	
N = No requirement	

Cable Diameter	
A = 0.9mm	
C = 2.0mm	
D = 3.0mm	
O = Other*	
N = No requirement	

Fiber Type	
1 = G657	
O = Other*	
N = No requirement	

Ordering Example:

OSPR - DSUW1A10   1 x 16, SC UPC, Mini type, G657, 0.9mm Cable, 10m Cable

Note : *If the required type of any item is not on the relevant list, please use "O" or "OO" as the red cells indicate, and kindly state the required type in the description of PO.