

Optical Splitter PLC Mini Type

OSP-W

Overview

This optical splitter use Planer Lightwave Circuit (PLC) technology for split ratio 2, 4, 8, 16, 32 and 64. The Optical Splitter is designed for Mini splitter type by standard of YD/T2000-2009, YD/T1117-2001. Optical splitter mini type refers to the port 0.9 mm slip-on fiber multichannel direct output with a compact design and easy to use.

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°C to 85°C
- 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 (°C)	-40 ~ + 85							

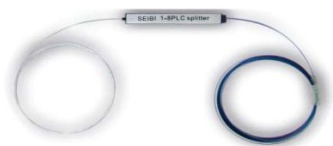


Technical Specification 2×N Series							
Parameters	2×4	2×8	2×16	2×32	2×64	2×64	
Operation Wavelength (nm)	1260 - 1650					1310 ± 40	1490 ± 10
						1550 ± 40	
Insertion Loss (dB)	≤ 7.6	≤ 11.0	≤ 14.8	≤ 17.9	≤ 21.5	≤ 20.1	
PDL	≤ 0.3	≤ 0.3	≤ 0.3	≤ 0.3	≤ 0.3	≤ 0.5	
Uniformity of I.L	≤ 0.8	≤ 1.0	≤ 1.4	≤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

Operation Conditions	
Temperature	-40°C -- 85°C
Humidity	93% at 40°C
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 1×4 2×4 1×8 2×8

Dimension: 60×12×4 (L×W×D mm)

Connector Options: CW/VO FC, SC connector..

Pigtail Diameter: Φ 0.9 mm..



Ratio: 1×16 2×16

Dimension: 60×20×6 (L×W×D mm)

Connector Options: CW/VO FC, SC connector..

Pigtail Diameter: Φ 0.9 mm..



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Structured Cabling Solutions



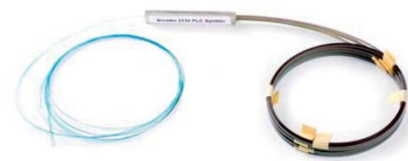
Ratio: 1×32 2×32 1×64
Dimension: 80×20×6 (L×W×D mm)
Connector Options: CW/WO FC, SC connector..
Pigtail Diameter: Φ 0.9 mm..



Ratio: 1×2 1×4 1×8
Dimension: 40×4×4 (L×W×D mm)
Connector Options: N/A..
Pigtail Diameter: Φ 250μm bare fiber..



Ratio: 1×32
Dimension: 50×12×4 (L×W×D mm)
Connector Options: N/A..
Pigtail Diameter: Φ 250μm bare fiber..



Ratio: 1×64
Dimension: 60×12×4 (L×W×D mm)
Connector Options: N/A..
Pigtail Diameter: Φ 250μm bare fiber..



Catalog Number

OSPW -

Parameters
A = 1 x 2
B = 1 x 4
C = 1 x 8
D = 1 x 16
E = 1 x 32
F = 1 x 64
G = 2 x 4
H = 2 x 8
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

Cable Length
Enter the length required
N = No requirement

Cable Diameter
A = 0.9mm
B = 250µm bare fiber
O = Other*

Fiber Type
1 = G657
O = Other*

Ordering Example:

OSPW - ASU1B10 1 x 2, SC UPC, G657, 250µm Bare fiber, 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.

