PHOTONWARES

1xN SM PLC Splitter Module

Product Description

Planar lightwave circuit (PLC) splitter is a type of optical power management device that is fabricated using silica optical waveguide technology to distribute optical signals from Central Office (CO) to multiple premise locations. Bare fiber splitter is a kind of ODN product suitable for PON networks that can be installed in the pigtail cassette, test instrument and WDM system, which minimizes the space occupation.
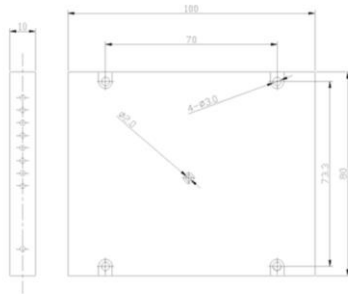
Features

- Wide Operating Wavelength
- Ultra Low Excess Loss
- Low Polarization Sensitivity
- Highly Stable & Reliable
- High Uniformity
- Ultra Low Cost
- Telcordia GR-1221 and GR-1209 Qualified

Performance Specifications

Parameters	Specifications						Unit
Wavelength	1260 ~ 1650						nm
Ports	1x2	1x4	1x8	1x16	1x32	1x64	dB
Insertion Loss[1,2]	4.0	7.3	10.8	13.8	17.2	20.5	dB
Uniformity	0.6	0.8	1.0	1.5	2.0	2.5	dB
PDL	0.2	0.2	0.2	0.3	0.3	0.3	dB
Return Loss	50						dB
Directivity	55						dB
Power Handling	300						mW
Working Temperature	-40					85	ºC
Storage Temperature	-40					85	ºC
Fiber type	Corning SMF28						
Connector Type	Custom specified						

1. Measured without connectors at room temperature
2. For devices with connectors, ass 0.3dB to the IL

Mechanical Dimensions

Package Type	Package Dimensions (HxWxL) (mm)	PLC Splitters Port Confihuration				
		1x2; 2x2; 1x4; 2x4	1x8; 2x8	1x16; 2x16	1x32; 2x32	1x64; 2x64
1	10x80x100	x	x			
2	18x80x120	x	x	x		
3	14.5x102x142	x	x	x	x	
4	18x115x141	x	x	x	x	x
5	19" Rack Single Wide	x	x	x	x	
5	19" Rack Double Wide					x
6	LGX Box Single Wide	x	x			
6	LGX Box Double Wide			x		

*Product dimensions may change without notice. This is sometimes required for non-standard specifications.
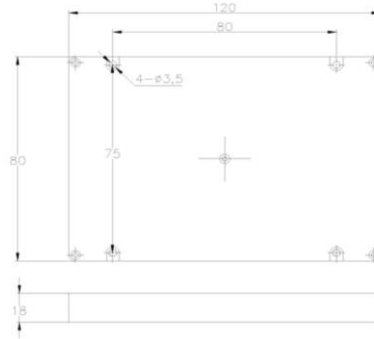
Applications

- Telecommunications
- FTTX
- CATV
- LAN
- Passive Optical Network (PON)
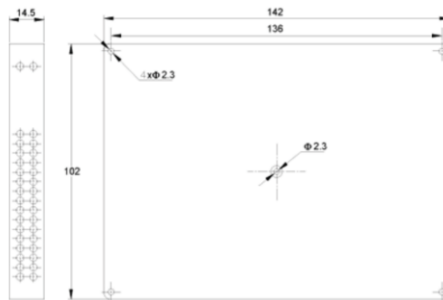
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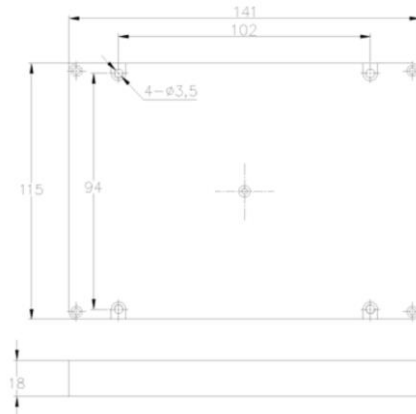
Package 1: 10x80x100 (HxWxL) mm

Package 2: 18x80x120 (HxWxL) mm

Package 3: 14.5x102x142 (HxWxL) mm

Package 4: 18x115x141 (HxWxL) mm

Ordering Information

PSM1	-A							
		Wavelength	**Port**	**Package**	**Fiber Type**	**Fiber Length**	**Input Connector**	**Output Connector**
		1310=1 1550=2 13/15=3 Special =0	1x2=02 1x4=04 1x8=08 1x16=16 1x32=32 1x64=64		250um =1 900um tube=3 Special =0	0.25m= 1 0.5 m = 2 1.0 m = 3 1.5 m = 4 2.0 m = 5 Special =0	None = 1 FC/PC = 2 FC/APC = 3 SC/PC = 4 SC/APC = 5 ST/PC = 6 LC = 7 Special = 0	None = 1 FC/PC = 2 FC/APC = 3 SC/PC = 4 SC/APC = 5 ST/PC = 6 LC = 7 Special = 0