

Planar Waveguide Splitter

Product Description

Agiltron PLCS Series planar waveguide splitter from 1x4 to 1x64 and 2x4 to 2x64 featuring high reliability and wide operation wavelength.

The devices are designed and qualified for the FTTH and FTTB applications. Agiltron can provide customized design to meet specific application including multi-function module integrated other components.



Performance Specifications

Parameter	Specification										Unit
Operating Wavelength	1260-1620										nm
Type	1x4	1x8	1x16	2x4	2x8	2x16	1x32	2x32	1x64	2x64	
Insertion Loss Max*	<7.3	<10.8	<13.8	<7.6	<11.2	<14.5	<17.2	<18.2	<20.5	<21.0	dB
Uniformity Max*	<0.8	<1.0	<1.5	<1.0	<1.5	<2.0	<2.0	<2.5	<2.5	<3.0	dB
PDL Max*	<0.2	<0.2	<0.3	<0.3	<0.3	<0.4	<0.3	<0.4	<0.3	<0.3	dB
Directivity Min*	55										dB
Return Loss Min*	55(50)										dB
Operating Temperature	-40-85										°C
Storage Temperature	-40-85										°C
Fiber Length	1m or custom length										
Fiber Type	Corning SMF-28e fiber										
Connector Type	Custom specified										
Power Handling	300										mW

*1. Measured at room temperature and excludes connector loss.

2. For devices with connectors, insertion loss will be 0.3 dB higher. Return Loss >55dB(APC), >50dB(UPC).

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

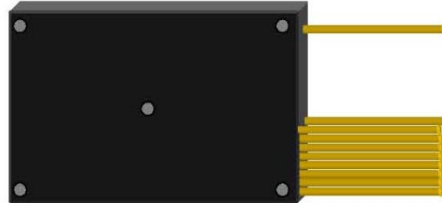
Applications

- Telecommunications
- FTTX
- CATV
- LAN
- Passive Optical Network (PON)

Planar Waveguide Splitter

Mechanical Dimensions

BOX Type



Rack Type (19)



BOX Dimensions

PLC Type	1x4	2x4	1x8	2x8	1x16	2x16	1x32	2x32	1x64	2x64
Module Type (mm)	100x80x10*				120x80x18*		142x102x14.5/ 141x115x18*		141x115x18*	

*Less port module allows to use of the larger package size of the modules (eg:1x8 type allows to package size:100x80x10mm,120x80x18mm, 142x102x14.5mm,141x115x18mm).

Ordering Information

PLCS	Type	Wavelength	Grade	Package	Fiber Type	Fiber Length	Connector Type**
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	1x4=1A 1x8=1B 1x16=1C 1x32=1D 1x64=1E 2x4=2A 2x8=2B 2x16=2C 2x32=2D 2x64=2E	1310=3 1490=4 1550=5 1620=6 Special =0	standard=1 Special=0	Box=1 Rack=2 Special=0	SMF-28 =1 Special = 0 Bare fiber = 1 900um loose tube = 2 3mm Cable = 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

**Connector G4 and G5 available