

Mini Module PLC Splitter

Description

The Gigalight mini module PLC (Planar Lightwave Circuit) splitter is a type of optical power management device with mini module package fabricated using silica optical waveguide technology. It is widely used in PON/ODN networks to realize optical signal power splitting with 1xN or 2xN splitting ratio. Gigalight provides a series of customized mini module PLC splitters to meet different requirements on port configuration, cable type, fiber length, input connector, and output connector.

Features

- ✓ Low Insertion Loss (IL)
- ✓ High isolation
- ✓ Low Polarization Dependent Loss (PDL)
- ✓ Compact design
- ✓ Wide operating wavelength range
- ✓ Good channel-to-channel uniformity
- ✓ High reliability and high stability
- ✓ Telcordia GR-1209-CORE-2001 compliant
- ✓ Telcordia GR-1221-CORE-1999 compliant
- ✓ YD/T-1272Q compliant
- ✓ Q/CT-2295 compliant
- ✓ RoHS-6 compliant (lead free)



Applications

- ✓ FTTH systems
- ✓ PON networks
- ✓ CATV links
- ✓ Communication Equipment

Specifications

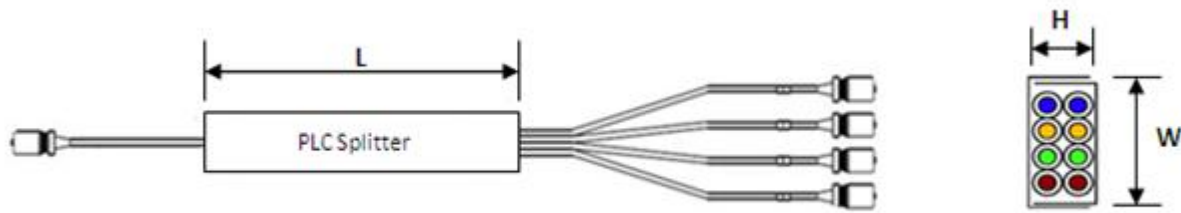
Parameters	1×N Mini Module PLC Splitters					
Operating Wavelength (nm)	1260 ~ 1650					
Port Configuration	1×2	1×4	1×8	1×16	1×32	1×64
Max Insertion Loss (dB) (P/S Grade)	4.1/4.3	7.4/7.6	10.5/10.8	13.8/14.0	16.8/17.2	20.8/21.3
Max Loss Uniformity (dB)	0.6	0.7	0.8	1.2	1.5	2.0
Max PDL (dB)	0.2			0.25		0.35
Min Return Loss (dB)	55					
Min Directivity (dB)	55					
Max Wavelength Dependent Loss (dB)	0.5			0.8		1.0
Max Temperature Stability (dB)	0.5					
Operating Temperature (°C)	-5 ~ 75					
Storage Temperature (°C)	-40 ~ 85					
Device Dimension L×W×H (mm)	60×7×4			60×12×4	80×20×6	100×40×6

Parameters	2×N Mini Module PLC Splitters					
Operating Wavelength (nm)	1260 ~ 1650					
Port Configuration	2×2	2×4	2×8	2×16	2×32	
Max Insertion Loss (dB)	4.5	7.9	11.3	14.7	17.8	
Max Loss Uniformity (dB)	0.9	1.0	1.2	1.5	1.8	
Max PDL (dB)	0.3				0.35	
Min Return Loss (dB)	55					
Min Directivity (dB)	55					
Max Wavelength Dependent Loss (dB)	0.5			0.8		
Max Temperature Stability (dB)	0.5					
Operating Temperature (°C)	-5 ~ 75					
Storage Temperature (°C)	-40 ~ 85					
Device Dimension L×W×H (mm)	60×7×4			60×12×4	100×20×6	

Note:

- 1) All specifications are based on the devices with connectors.
- 2) Fiber type is G657A1.
- 3) IL, PDL, WDL can also be customer specified.

Mechanical Dimensions



Ordering Information

GPM-xxx-MM-	xx-	xx-	x	x
Mini Module PLC Splitter	Fiber Type	Fiber Length	Input Connector	Output Connector
xxx:	09=0.9mm loose tube	10=1.0m	0=None	0=None
102=1×2	20=2.0mm loose tube	15=1.5m	1=FC/UPC	1=FC/UPC
...	30=3.0mm loose tube	20=2.0m	2=FC/APC	2=FC/APC
164=1×64		25=2.5m	3=SC/UPC	3=SC/UPC
202=2×2		...	4=SC/APC	4=SC/APC
...			5=LC/UPC	5=LC/UPC
232=2×32			6=LC/APC	6=LC/APC

Note :

If you need any other special requirement, please contact our sales.

E-mail: sales@gigalight.com

Official Site: www.gigalight.com