

PM PLC Splitters

GPMPM-xxx-xx-xx-xx-xx-x

Description

The Gigalight PM fiber PLC splitter based on silica optical waveguide technology is an optical power management device with mini module or plastic ABS box package. It is widely used in PON/ODN networks to realize optical signal power splitting with 1xN or 2xN splitting ratio through Polarization-Maintaining fiber. PLC Splitter is based on the Quartz Glass waveguide Technology, Precision and reliable Fiber Array, and Miniaturized Coupling package, using PM Fiber can make the two orthogonal linear polarized light transmitted stably, make their polarization state keep constant, which makes the PM PLC splitter realize polarization-maintaining coupling and splitting light.

Features

- Low Insertion Loss
- High Isolation
- Low PDL
- Compact Design
- Good channel-to-channel uniformity
- Wide Operating Wavelength
- High Reliability and Stability



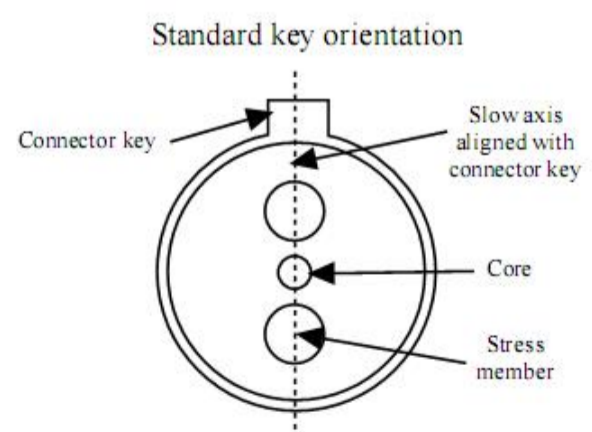
Applications

- FTTH Systems
- PON Network
- CATV Links
- Communication Equipment



Compliance

- GR-1209-CORE
- GR-1221-CORE
- YD/T-1272Q
- Q/CT-2295
- RoHS



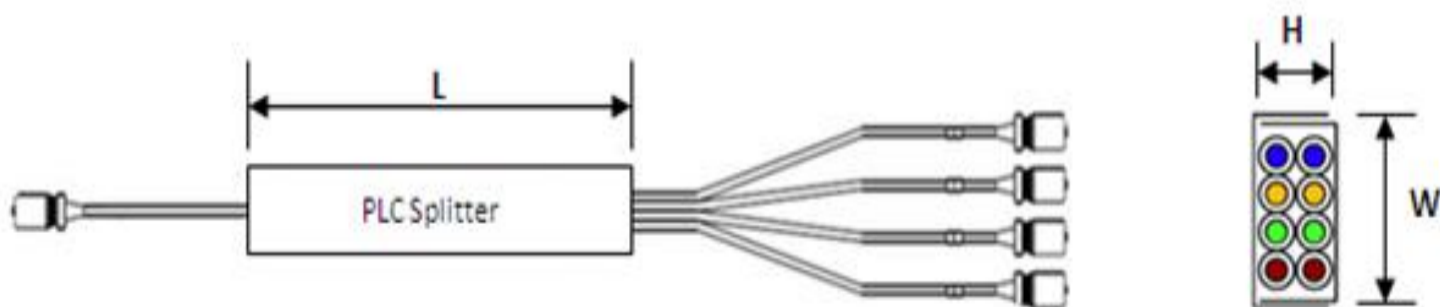
Specifications

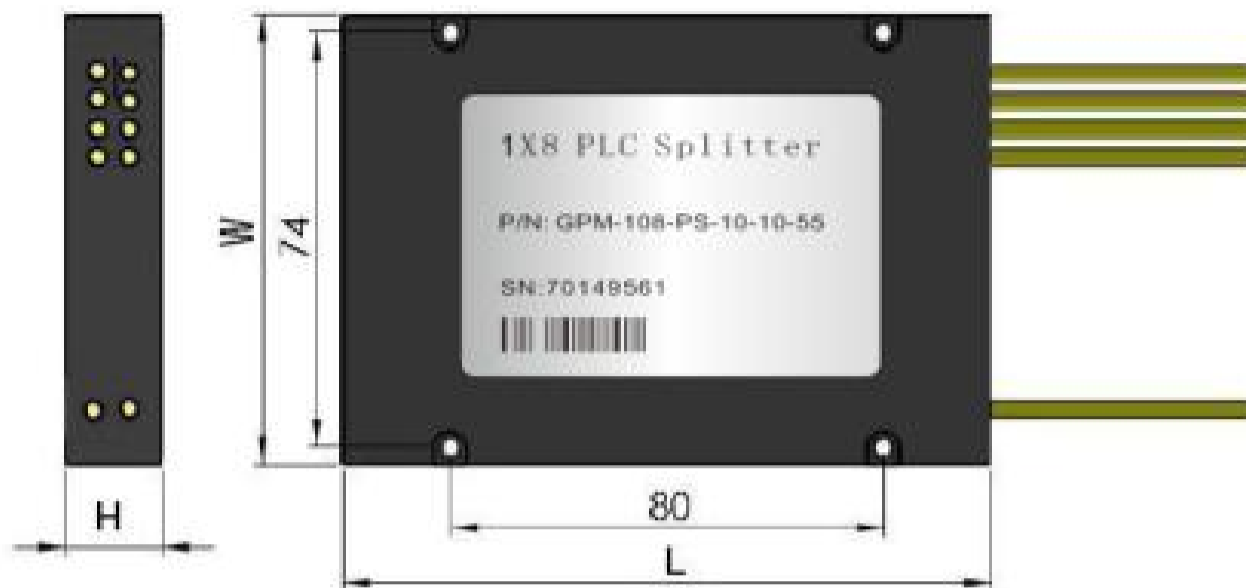
Operating Wavelength (nm)		1260-1650					
Fiber Type		G657A1					
Port Configuration		1×2	1×4	1×8	1×16	1×32	1×64
Insertion Loss (dB) (P/S Grade)	Max	4.1/4.3	7.4/7.6	10.5/10.8	13.8/14.0	16.8/17.2	20.8/21.3
Loss Uniformity (dB)	Max	0.6	0.7	0.8	1.2	1.5	2
Extinction Ratio (dB)	Min	21	21	21	20	20	19
Return Loss (dB)	Min	55	55	55	55	55	55
Directivity (dB)	Min	55	55	55	55	55	55
Wavelength Dependent Loss (dB)	Max	0.5	0.5	0.5	0.8	0.8	1
Temperature Stability (dB)	Max	0.5	0.5	0.5	0.5	0.5	0.5
Device Dimension (mm) (L×W×H)	Mini Module	60×7×4	60×7×4	60×7×4	60×12×4	80×20×6	100×40×6
	ABS Box	100×80×10			120×80×18	140×115×18	

Notes:

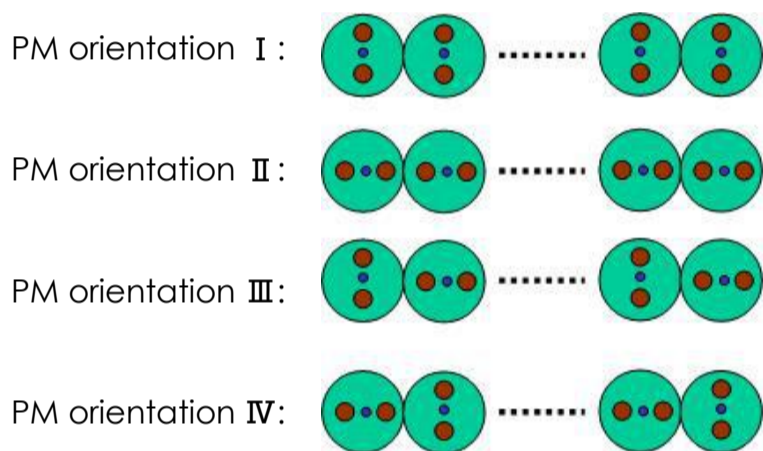
1. Specified with connectors.
2. Operating Temperature: 0°C to 75°C.
3. Storage Temperature: -40°C to 85°C.
4. IL, PDL and WDL can also be customer specified.

Mechanical Dimensions





PM Orientation Type



Ordering Information

GPMPM-	xxx	-xx	-xx	-xx	-x	x-	x
	Splitting Ratio	Module Type	Cable Type	Fiber Length	Input Port connector	Output Port Connector	Panda eye Angle
	102=1×2	PL=140×115×18	09=ϕ0.9mm	10=1.0m	0=None	0=None	1= I
	104=1×4	PM=120×80×18	20=ϕ2.0mm	15=1.5m	1=FC/UPC	1=FC/UPC	2= II
	108=1×8	PS=100×80×10	30=ϕ3.0mm	20=2.0m	2=FC/APC	2=FC/APC	3= III
	MM=Mini-Module	3=SC/UPC	3=SC/UPC	4= IV
	164=1×64				4=SC/APC	4=SC/APC	
					5=LC/UPC	5=LC/UPC	
					6=LC/APC	6=LC/APC	

Example P/N

GPMPM-132-MM-09-10-66-4 — 1×32 Mini Module PM PLC Splitter with 1-meter 0.9mm loose tube Fiber, LC/APC Input Connector, LC/APC Output Connector and **IV** Panda Eye Angle.

Note: If there is a demand for orders that are different from those described above, please contact sales.