



## 1xn Fiber Optical PLC Splitter

### Description

Planar lightwave circuit (PLC) splitter is a type of optical power management device that is fabricated using silica optical waveguide technology. It features small size, high reliability, wide operating wavelength range and good channel-to-channel uniformity, and is widely used in PON networks to realize optical signal power splitting. GH provides whole series of 1xN and 2xN splitter products that are tailored for specific applications. All products meet GR-1209-CORE and GR-1221-CORE requirements.

### 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

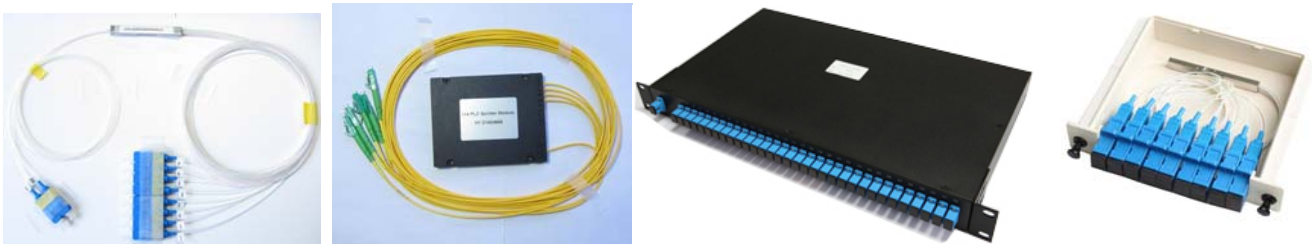
### Order Information:

Parameters	1×2	1×4	1×6	1×8	1×12	1×16	1×32	1×64
Operating Wavelength (nm)	1260~1650							
Fiber Type	G657A or customer specified							
Insertion Loss (dB)(Min/Max)	3.8/4.0	7.2/7.4	9.5/9.8	10.5/10.7	12.1/12.6	13.5/13.7	16.5/16.9	20.5/21.0
Loss Uniformity (dB)	0.6	0.6	1.0	0.8	1.1	1.2	1.5	2.5
Return Loss (dB)	55	55	55	55	55	55	55	55
Polarization Dependent Loss(dB)	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.4
Directivity (dB)	55	55	55	55	55	55	55	55
Operating Temperature (°C)	-40~85							
Storage Temperature	-40~85							



(°C)								
Operating Humidity	5% ~ 85% RH							
Storage Humidity	5% ~ 85% RH							
Device Dimension (mm) (L×W×H)	40×4×4	40×4×4	40×4×4	40×4×4	50×4×4	50×4×4	50×7×4	60×12×4
Module Dimension (mm) (L×W×H)	100×80×1	100×80×1	100×80×1	100×80×1	120×80×1	120×80×1	140×115×18	140×115×18
Mini-Module Dimension (mm) (L×W×H)	50×7×4	50×7×4	60×7×4	60×7×4	60×12×4	60×12×4	80×20×6	N/A

Parameters	2×2	2×4	2×8	2×16	2×32	2×64
Operating Wavelength (nm)	1260~1650					
Fiber Type	G657A or customer specified					
Insertion Loss (dB)(Min/Max)	3.9/4.2	7.5/7.8	11.2/11.5	14.2/14.5	17.2/17.7	21.0/21.5
Loss Uniformity (dB)	0.8	1.5	1.5	1.8	2.0	2.5
Return Loss (dB)	55	55	55	55	55	55
Polarization Dependent Loss(dB)	0.2	0.2	0.4	0.4	0.4	0.4
Directivity (dB)	55	55	55	55	55	55
Operating Temperature (°C)	-40~85					
Storage Temperature (°C)	-40~85					
Operating Humidity	5% ~ 85% RH					
Storage Humidity	5% ~ 85% RH					
Device Dimension (mm) (L×W×H)	40×4×4	50×4×4	50×4×4	50×7×4	60×7×4	60×12×4
Module Dimension (mm) (L×W×H)	100×80×10	100×80×10	100×80×10	120×80×18	140×115×18	140×115×18
Mini-Module Dimension (mm) (L×W×H)	60×7×4	60×7×4	60×7×4	60×12×4	80×20×6	N/A



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