

PLC Splitter (Premium Grade)

CORNING

Features and Benefits

Rugged Construction

Low Input Polarization Sensitivity

Customized Packaging Available

High Quality Connector Fanouts Available

Standards

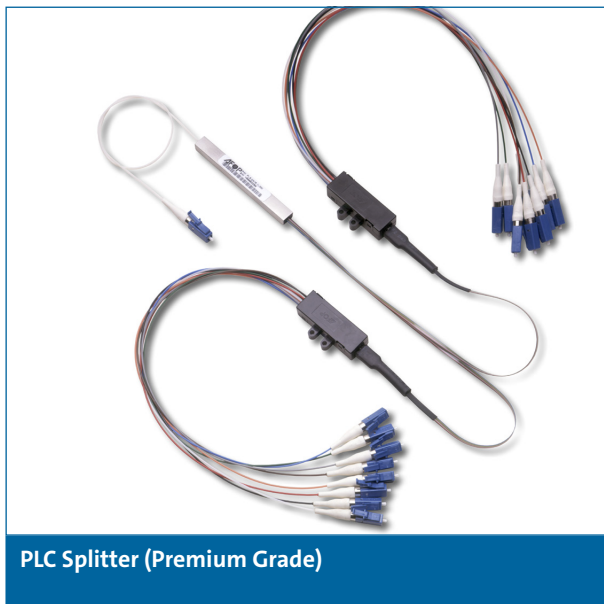
RoHS

Free of hazardous substances according to RoHS2011/65/EU

Design and Test Criteria

Product is compliant with Telcordia GR-1209-CORE and GR-1221-CORE

Today's high-port count applications for broadband system applications demand the best performance and the highest reliability under the most adverse of conditions. Corning's Planar Lightwave Circuit Splitters deliver on all these requirements. These highly stable components perform superbly across temperature and wavelength providing low insertion loss, low input polarization sensitivity, excellent uniformity, and low return loss in 4-, 8-, 16-, and 32-port configurations. Our OEM-friendly packaging provides the flexibility to meet the broadest design requirements.



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Specifications

Parameters	1x4 Port Maximum	1x8 Port Maximum	1x16 Port Maximum	1x32 Port Maximum
Operating Wavelength λ_c	1260-1650 nm			
Insertion Loss	7.5 dB	10.7 dB	14.2 dB	17.0 dB
Insertion Loss Uniformity	1.0 dB	1.0 dB	1.5 dB	2.0 dB
Polarization Dependent Loss	0.1 dB	0.15 dB	0.25 dB	0.4 dB
Directivity	> 55 dB			
Return Loss	> 55 dB			
Maximum Optical Power	300 MW			
Operating Temperature	- 40°C to +85°C			
Storage Temperature	- 40°C to +85°C			
Storage Relative Humidity	20-90 (%RH)			

Shipping Package

Packaging Dimensions	
1x4, 1x8, 1x16	4 mm (H) x 4 mm (W) x 40 mm (L)
1x32	4 mm (H) x 7 mm (W) x 50 mm (L)

Ordering Information

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P L S - 1 2 3 - 2 4 5

1 Select Fiber Type

- 1: 250 μ m
- 2: 900 μ m

2 Select InPort Count

- A: 1xN
- (N = OutPort Count)

3 Select OutPort Count

- 04: Ports 4
- 08: Ports 8
- 16: Ports 16
- 32: Ports 32

4 Select Connector*

- O: None
- K: LC/APC
- L: LC/PC
- P: FC/PC
- Q: FC/APC
- S: SC/PC
- T: SC/APC
- U: MU/PC
- V: MPO

5 Select Customization

- 000: Standard
- Running number used for special types or custom made

Notes:

* Specifications do not include connector loss



These part numbers are specific to Corning Optical Communications OEM Solutions Business Unit. Contact OEM sales at +1-408-736-6900 or oemsales@corning.com and visit www.corning.com/opcomm/oem for sales support.

Corning Optical Communications LLC • PO Box 489 • Hickory, NC 28603-0489 USA

800-743-2675 • FAX: 828-325-5060 • International: +1-408-736-6900 • www.corning.com/opcomm/oem • Email: oemsales@corning.com

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