

PLC Splitter LGX® Module

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

Corning introduces a new family of PLC Splitter LGX® Modules for today's high-port count applications that demand the best performance and the highest reliability under the most adverse of environments. Corning's PLC Splitter LGX Modules deliver on all these requirements. The PLC Module features low insertion loss, low polarization dependent loss, and high port-to-port uniformity. The PLC Splitter LGX Modules are available in 4-, 8-, 16-, and 32-channel configurations with SC or LC pigtailed. Our OEM-friendly packaging provides the flexibility to meet the broadest design requirements.



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Specifications

Parameters	1x4 Port	1x8 Port	1x16 Port	1x32 Port
	Maximum	Maximum	Maximum	Maximum
Operating Wavelength λ_c	1260-1650 nm			
Insertion Loss	8.0 dB	11.5 dB	14.7 dB	18.3 dB
Insertion Loss Uniformity	1.0 dB	1.2 dB	1.7 dB	2.2 dB
Polarization Dependent Loss	0.3 dB	0.3 dB	0.4 dB	0.45 dB
Directivity	> 55 dB			
Return Loss	> 50 dB			
Maximum Optical Power	300 MW			
Operating Temperature	- 5°C to +65°C			
Storage Temperature	- 40°C to +85°C			

Shipping Package

Packaging Dimensions	Fiber Type	Pigtail Length
Standard Single Width LGX	Fiber Type: Corning® SMF-28e®, 1.6 mm	1 m

Ordering Information

PLC Splitter LGX® Module

P L S - 3 - 1 L

1
2
3
4

1 Select InPort Count

A: 1xN
(N = OutPort Count)

2 Select OutPort Count

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

3 Select Connector

K: LC/APC
L: LC/PC
S: SC/PC
T: SC/APC

4 Select Customization

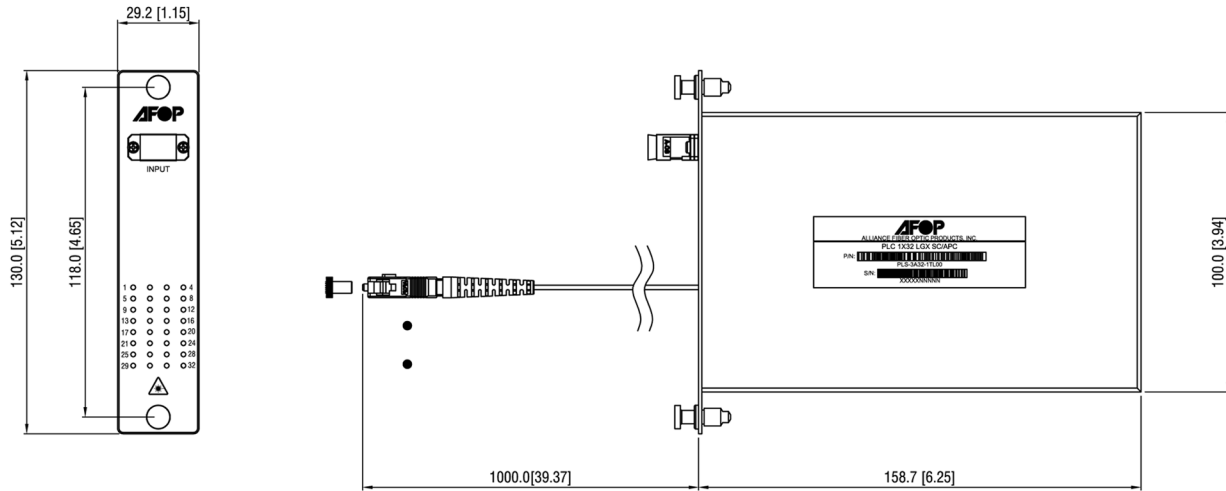
00: Standard
Running number used for special types or custom made

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.

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MECHANICAL DRAWING OF 1x32 SC PLC SPLITTER LGX MODULE



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