

## PLCG3

### PLC G3 Splitter Module

Enterprise FTTD  
FTTP Cabinets, Pedestal,  
Hubs and Closures  
GPON



1xN Planar Light wave Circuit (PLC) Splitters are based on the Plasma Chemical Vapor Deposition (P-CVD) technology for providing stable optical performance characteristics. This PLC Splitter features guaranteed performance specifications and high reliability that surpass Telcordia requirements and is suitable for many Singlemode optical splitting applications.

#### KEY PRODUCT BENEFITS

- ▶ Low insertion loss and high maximum power tolerance
- ▶ Excellent splitting uniformity over broadband operating wavelengths
- ▶ Small rugged module packaging
- ▶ G657A improved bend loss fiber
- ▶ Installations in extreme temperatures down -40° C

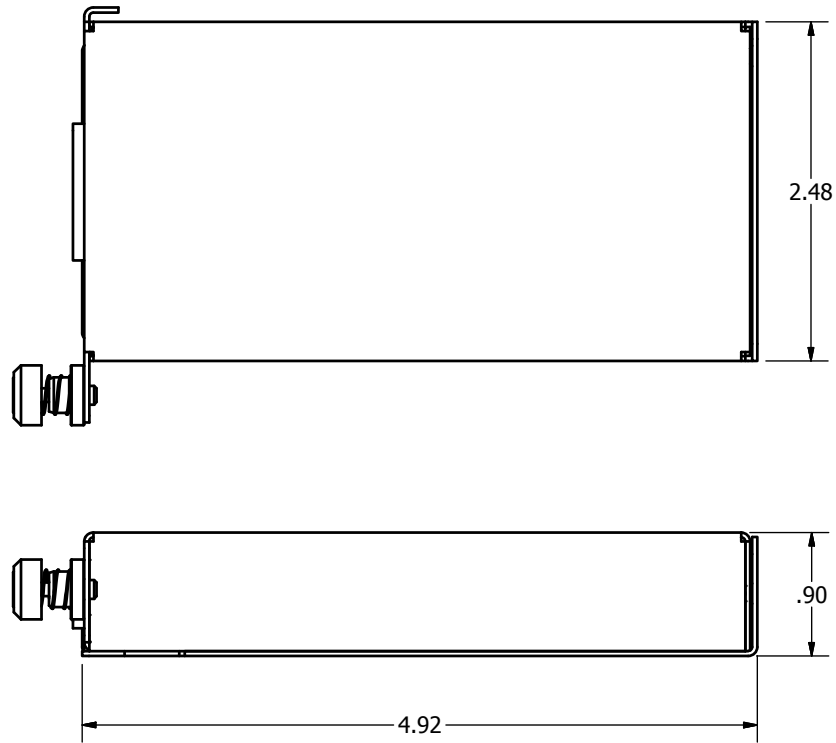
#### STANDARDS COMPLIANCE

- ▶ ITU-T G.657.A, ITU-T G.652.D, GR-326, GR-1209, GR-1221



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Dimensions are in Inches

| Parameters*           | 1x4  | 1x8     |
|-----------------------|--|---------|
| Operating Wavelength  | 1260nm ~ 1650nm                                    |         |
| Insertion Loss, Max   | 7.5 dB   | 10.8 dB |
| Uniformity, Max       | 0.6 dB   | 0.8 dB  |
| PDL, Max.             | 0.3 dB   | 0.3 dB  |
| WDL                   | 0.3 dB   | 0.3 dB  |
| Return Loss, Min      | 50 dB UPC, 55 dB APC                               |         |
| Directivity, Min      | 55 dB  |         |
| Cable Type            | 2.0 mm   |         |
| Cable Leg Length      | 72 Inches  |         |
| Operating Temperature | -40°C to +85°C Install, -55°C to +85°C Operational |         |
| Module Dimensions     | 3.94" x 3.15" x 0.39" (100mm x 80mm x 10mm)        |         |
| Compliance            | ITU-T G.657.A1, GR-326, GR-1209, GR-1221           |         |

\*Parameter Performance values shown at room temperature, 1310/1550nm terminated

## ORDERING INFORMATION

| Model No.         | Description                |
|-------------------|----------------------------|
| <b>PLCG3104SA</b> | PLC G3 Splitter 1X4 SC-APC |
| <b>PLCG3108SA</b> | PLC G3 Splitter 1X8 SC-APC |