

## PLCD Series

### 1xN PLC Splitter Module

FTTx PON Cabinets,  
Pedestals, Hubs  
and Closures

Local Convergence Points  
(LCP)

CATV



1x N Planar Light wave Circuit (PLC) Splitters are based on the Plasma Chemical Vapor Deposition (P-CVD) technology for providing stable optical performance characteristics. 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
- ▶ Parking lot included
- ▶ G657A improved bend loss fiber
- ▶ Installations in extreme temperatures down -40°C

#### INDUSTRY STANDARDS

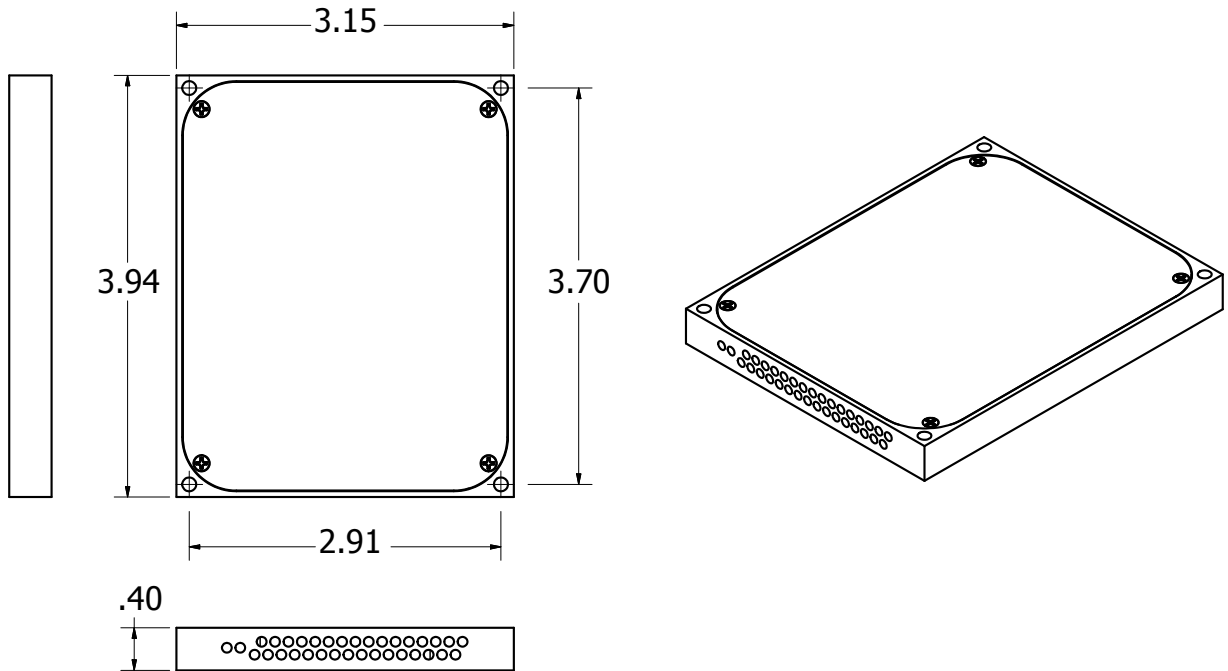
- ▶ Meets ITU-T G.657.A1, GR-326, GR-1209, GR-1221 Compliance



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Dimensions are in Inches

Parameters*	1x4	1x8	1x16	1x32
Operating Wavelength	1260nm ~ 1650nm			
Insertion Loss, Max	7.5 dB	10.8 dB	13.5 dB	16.7 dB
Uniformity, Max	0.6 dB	0.8 dB	1.2 dB	1.5 dB
PDL, Max.	0.3 dB	0.3 dB	0.3 dB	0.3 dB
WDL	0.3 dB	0.3 dB	0.5 dB	0.5 dB
Return Loss, Min	50 dB UPC, 55 dB APC			
Directivity, Min	55 dB			
Cable Type	2.0 mm			
Cable Leg Length	51 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

PLCD	XXX	XX	XX
	Ports	Connector	Leg Length
	104 = 1x4	LA = LC-APC	51 = 51 Inches
	108 = 1x8	LC = LC-UPC	
	116 = 1x16	SA = SC-APC	
	132 = 1x32	SC = SC-UPC	