

PLC9 Series

1xN PLC Splitter Module

Low Insertion Loss and
High Maximum
Power Tolerance

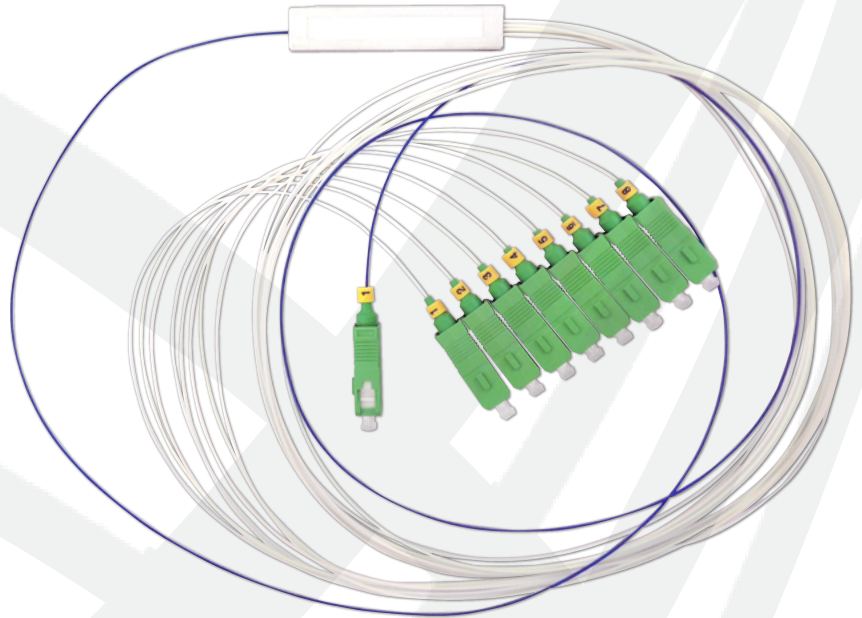
Excellent Splitter
Uniformity Over Broadband
Operating Wavelengths

Small Rugged
Module Packaging

Used in CATV, LCP,
FTTx Cabinets, Pedestals,
Hubs and Closures

G657A Improved
Bend Loss Fiber

For Extreme Temperature
Installations Down to -40°C



1xN 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 fits mass fusion splice trays
- ▶ G657A improved bend loss fiber
- ▶ Installations in extreme temperatures down -40°C

APPLICATIONS

- ▶ OSP cascaded optical PON splitting
- ▶ FTTx PON cabinets, pedestals, hubs and closures
- ▶ Local Convergence Points (LCP)
- ▶ CATV

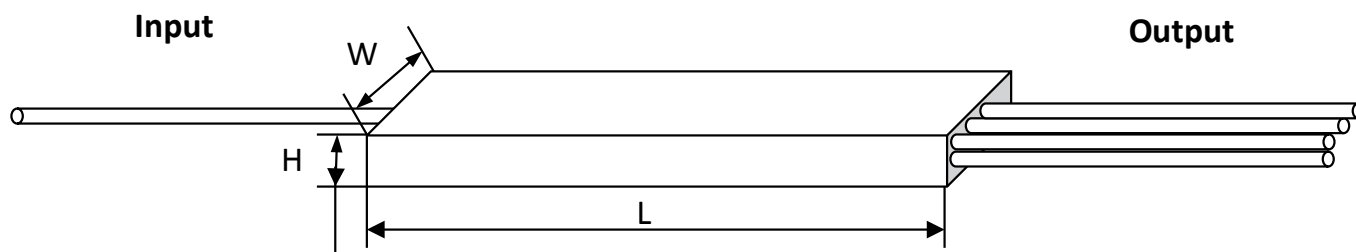


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PLC9 Series



	1x4	1x8	1x16	1x32
Module Dimensions	H4xW7xL50mm	H4xW7xL60mm	H4xW12xL60mm	H6xW20xL80mm

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	900um			
Cable Leg Length	1M (Standard)			
Operating Temperature	-40°C to +85°C Install, -55°C to +85°C Operational			
Module Dimensions	H4 x W7 x L50mm	H4 x W7 x L60mm	H4 x W 12x L60mm	H6 x W20 x L80mm
Compliance	ITU-T G.657.A1, GR-326, GR-1209, GR-1221			

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

ORDERING INFORMATION

PLC	X	XXX	XX	XX
	Package	Ports	Connector	Leg Length
	9 = 900um	104 = 1x4 108 = 1x8 116 = 1x16 132 = 1x32	LA = LC-APC LC = LC-UPC SA = SC-APC SC = SC-UPC	1 M = 1 Meter