



**PREFORMED** LINE PRODUCTS  
The connection you can count on.

Our New Family of High Performance  
PLC Splitter Modules  
**COYOTE<sup>®</sup> PLC SPLITTER  
MODULES**



COMMUNICATIONS



ENERGY



SPECIAL INDUSTRIES



SOLAR

**COYOTE<sup>®</sup>**  
FIBER OPTICS



## PLP Fiber Optic Products

# COYOTE® PLC Splitter Modules

### Description

The Splitter Modules utilize PLC chips manufactured with Plasma Chemical Vapor Deposition (P-CVD) technology, and its patented fabrication process for providing stable optical specifications. The Modules' silica on silica waveguide and optical fiber array are tested to Telcordia GR-1209 and GR-1221. The splitters are designed to have low insertion loss, low polarization dependent loss (PDL), and high port uniformity.

### Features

- 1 x 4, 1 x 8, 1 x 16, 1 x 32, and 1 x 64 configurations available
- Telcordia GR-1209 and GR-1221 qualified
- Low Insertion Loss, PDL, High Return Loss
- High output uniformity
- Compact package

Splitter Part No.	Splitter Ratio	Use with Splice Tray Kit Part No.				
800012235	1 x 4	80808524, 80808525, 80806033, 80805514				
800012236	1 x 8	80808524, 80808525, 80806033, 80805514				
800012237	1 x 16	80808524, 80808525, 80805514				
800012238	1 x 32	80808524, 80808525, 80805514				
PLC Splitter Specifications		Units	1 x 4	1 x 8	1 x 16	1 x 32
Operating Wavelength	nm		1260 - 1650	1260 - 1650	1260 - 1650	1260 - 1650
Insertion Loss Max.	dB		7.2 <sup>1</sup>	10.5 <sup>1</sup>	10.5 <sup>1</sup>	16.5 <sup>1</sup>
			Max. 8.0 <sup>2</sup> Typ. 7.7 <sup>2</sup>	Max. 11.5 <sup>2</sup> Typ. 11.0 <sup>2</sup>	Max. 14.5 <sup>2</sup> Typ. 14.2 <sup>2</sup>	Max. 17.5 <sup>2</sup> Typ. 17.2 <sup>2</sup>
Uniformity Max.	dB		0.6 <sup>1</sup>	0.8 <sup>1</sup>	1.2 <sup>1</sup>	1.7 <sup>1</sup>
PDL Max.	dB		0.2 <sup>1</sup>	0.3 <sup>1</sup>	0.3 <sup>1</sup>	0.3 <sup>1</sup>
Return Loss Min.	dB		55.0 <sup>1</sup>	55.0 <sup>1</sup>	55.0 <sup>1</sup>	55.0 <sup>1</sup>
Directivity Min.	dB		55.0	55.0	55.0	55.0
Operating Temperature	°C		-40 to +85	-40 to +85	-40 to +85	-40 to +85
Pigtails	m		1 (Standard) or Custom Length Available (Input / 250 Micron, Output / Ribbon fiber)			
Dimensions (L x W x H)	mm		40 x 4 x 4	40 x 4 x 4	40 x 4 x 4	50 x 7 x 4

<sup>1</sup>Excluding WDL, TDL (Wavelength Dependant Loss, Temperature Dependant Loss)  
Measured at room temp., 1310nm and 1550nm.

<sup>2</sup>Including WDL, TDL.

1 x 2 FBT Splitters and 1x64 PLC Splitter Modules are available upon request.



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