

**Coupler/Splitter Module
Single-mode, Dual-Window**

**Fiberdyne Labs, Inc.
Product Specification**

Purpose:

Coupler Module: to combine optical power from three or more inputs.

Splitter Module: to divide optical power to three or more outputs.

Conceptual Usage:

Couplers are typically used where an aggregate of optical power is required.

Splitters applications are more common, typically used for video distribution or for data network monitoring. One or two inputs is/are divided and sent to several destinations (e.g. neighborhoods for CATV). Alternatively, a low-power signal sample is "read-out" with minimal impact, to the link.

Standard Configurations: (*module dimensions*)

Module *	Box	Faceplate
LGX/Lucent-compatible	3.97"H x 1.12"W x 4.98"D	5.06"H x 1.12"W
Siecor/Corning-compatible	4.62"H x 1.37"W x 6.00"D	6.00"H x 1.37"W
ADC-compatible	7.12"H x 1.06"W x 6.06"D	8.62"H x 0.91"W
19/23-inch Rack Mount	1.72"H x 17.0"W x 5.94"D	1.72"H x 17.0"W

** single-wide modules are shown; double and triple-wide modules are available.*

Options:

- Number of ports (capacity varies according to module packaging)
- Per port Split-Ratios (or "even splits")

Features:

- Coupler/Splitter components comply with Telcordia GR-1209
- Connectors comply with Telcordia GR-326
- Fiber Connectors: SC, ST, FC, LC, MT-RJ
- Polish Type: UPC or APC (as applicable)

Specifications: (for coupler/splitter device specifications, reference Fiberdyne document #075-10567-001 - "Single-mode, Dual-Window Couplers")

Configuration **	Max Insertion Loss (dB) ***
1x3	5.58
1x4	6.70
1x5	7.92
1x6	8.98

*** Equal Split-Ratios (i.e. "even splits") on each input/output*

**** Insertion Loss values do not include connector losses.*