

# Fiber Optic Splitter and WDM Modules

For Standard Bulkhead-Style Fiber Optic Panels

## Overview

Gain non-intrusive optical circuit testing and monitoring capabilities without sacrificing significant rack space with Telect's splitter modules. Available in a variety of configurations, these passive component modules feature a robust design for durability and protection of circuits. Telect splitter modules fit in Telect bulkhead-style fiber optic patch panels, as well as other standard-footprint panels.

## Primary Benefits

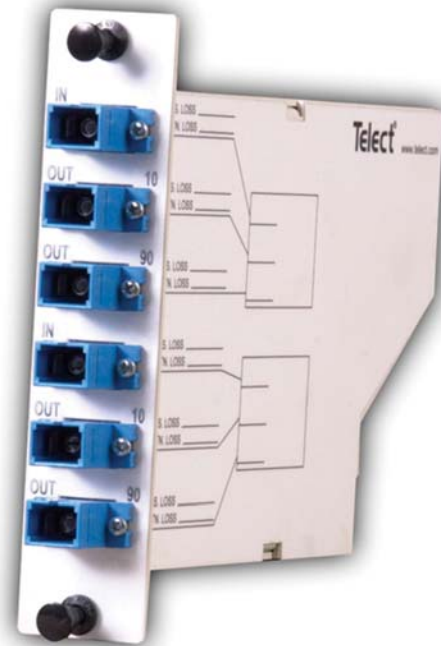
- Up to 8 ports on the front, 4 on the rear
- Capacity: Four 1x2 splitters per module; maximum density of 48 splitters in a 4 RU chassis
- For higher density, fit one 1x8 or two 1x4 splitters in a single module by utilizing rear-module inputs
- WDM modules available in 1310/1550 nm options

## Applications

- Circuit monitoring and testing
- E911 Services (monitoring)
- Wave division multiplexing

## Specifications

Bandpass	1310/1550 +/-20 nm
Directivity	50 dB
Insertion loss	50/50: $\leq 3.9/3.9$ dB 55/45: $\leq 3.4/4.3$ dB 60/40: $\leq 3.0/5.0$ dB 65/35: $\leq 2.6/5.5$ dB 70/30: $\leq 2.2/6.3$ dB 75/25: $\leq 1.9/7.0$ dB 80/20: $\leq 1.5/8.2$ dB 85/15: $\leq 1.3/9.3$ dB 90/10: $\leq 0.95/11.6$ dB 95/5: $\leq 0.7/14.9$ dB 33/33/33: $\leq 6.0/6.0/6.0$ dB 25/25/25/25: $\leq 7.5/7.5/7.5/7.5$ dB 20/20/20/20/20: $\leq 9.0/9.0/9.0/9.0/9.0$ dB
Polarization loss	0.1 dB (max.)
Return loss	>55 dB



Dual 1x2 SC/UPC splitter  
Part #056-1419-6161



Quad 1x2 SC/UPC splitter  
Part #056-1419-6161

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## Ordering Information

### Single Splitters

Ratio	Splits	Input	Output	Output 2 Monitor	Connectors	Part Number
1x2	90/10	Front	Front	Front	SC/UPC	056-1219-6161
1x2	80/20	Front	Front	Front	SC/UPC	056-1228-6161
1x2	50/50	Front	Front	Front	SC/UPC	056-1255-6161
1x3	33/33/33	Front	Front	Front	SC/UPC	056-1333-6161
1x4	25/25/25/25	Front	Front	Front	SC/UPC	056-1625-6161
1x5	20/20/20/20/20	Front	Front	Front	SC/UPC	056-1520-6161

### Dual Splitters

Ratio	Splits	Input	Output	Output 2 Monitor	Connectors	Part Number
1x2	90/10	Front	Front	Front	SC/UPC	056-1419-6161
1x2	80/20	Front	Front	Front	SC/UPC	056-1428-6161
1x2	50/50	Front	Front	Front	SC/UPC	056-1455-6161
1x2	90/10	Front	Front	Rear	SC/UPC	056-4419-6161
1x2	90/10	Rear	Front	Front	FC/UPC	056-7419-2121
1x2	90/10	Rear	Front	Front	LC/UPC	056-7419-5151
1x2	90/10	Rear	Front	Front	SC/UPC	056-7419-6161

### Quad Splitters

Ratio	Splits	Input	Output	Output 2 Monitor	Connectors	Part Number
1x2	90/10	Front	Front	Rear	SC/UPC	056-4819-6161
1x2	80/20	Front	Front	Rear	SC/UPC	056-4828-6161

### WDM Modules

Configuration	Nm	Input	Output	Output 2 Monitor	Connectors	Part Number
Single	1310/1550	Front	Front	Front	SC/UPC	056-1A00-6161
Dual	1310/1550	Front	Front	Front	SC/UPC	056-2B00-6161

***For different connectors, split ratios,  
or I/O/Monitor configurations,  
call Telect: 800.551.4567***