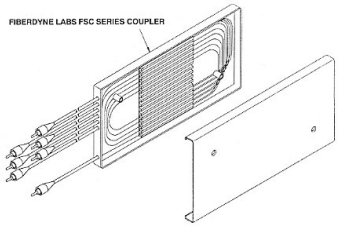
Introduction:

Fiberdyne Labs, Inc. Manufactures a complete family of Couplers/Splitters and Couplers/Splitters Modules. Select from 19" Rack Mount Modules, Lucent LGX compatible modules & Reduced Splice Tray modules. Select 1x2 to 1x32 outputs with the wavelengths and insertion loss of your choice and with the optical splits you require.

LGX Coupler Splitter Module 1x3 SC/APC



Coupler Tray Drawing

Ultra Coupler Module

Max Insertion Loss	
Coupler Module Split	Ultra
1x2	3.3
1x4	6.7
1x8	10.1
1x16	13.5
1x32	16.9
* Coupler Module Loss Table does not include connector loss	

Benefits:

- - Assembled in the USA
- - Fast Delivery
- - Custom Configurations Available
- - Best Industry Specifications
- - Factory Direct Savings

Connector Types:
LC and LC/APC, SC, SC/APC, FC, FC/APC, ST

Features	Specifications
Low PDL	Center Wavelength 1310, 1550
Low Insertion Loss	
Excellent Uniformity	
High Directivity	Directivity 50 dB Min.
Bi-Directional	Operating Temperature -40C to +85C
	Bandwidth +-40nm
	Excess Loss 0.1dB Max.
	Polarization Dependent Loss Max. 0.15dB

Ordering Information:

Part A

F	X	X	-	X	X	X	X	X	-	X	X
	2	3		4	5	6	7	8		9	10
Fiberdyne Labs, Inc. Coupler Modules											

2nd. Digit	**Center Wavelength**	0 = 1550 nm Singlemode 2 = 1310 nm Singlemode 3 = 1310/1550 Singlemode 7 = 850/1300 Multimode 9 = 850 nm Laser Multimode
3rd. Digit	**Ports**	1 = 1x2 2 = 1x3 3 = 1x4 4 = 1x5 5 = 1x6 6 = 1x7 7 = 1x8 8 = 1x9 9 = 1x10 A = 1x11 B = 1x12 C = 1x13 D = 1x14 E = 1x15 F = 1x16 G = 1x32 H = 2x2 J = (2) 1x2 K = 1x18 L = 1x24 M = 2x4 N = (2) 1x3 P = 2x8 R = 2x16 T = 2x32
4th. Digit	**Package**	0 = LGX/Fiberdyne compatible with input pigtail, output adapters 1 = LGX/Fiberdyne compatible with input adapters, output adapters 2 = LGX/Fiberdyne compatible with input pigtail, output pigtail 3 = ~~Corning FDC compatible with input pigtail, output adapters~~ (Not Available) 4 = ~~Corning FDC compatible with input adapter, output adapter.~~ (Not Available) 5 = ~~Corning FDC compatible with input pigtail, output pigtails.~~ (Not Available) **Note:** # 3,4,5 Not Compatible with CCH (Corning Connector Housing) 6 = Corning Reduced Fusion Splice Tray compatible with pigtail input, pigtail output. 7 = 19" Rackmount Module

		8 = Customer requested special. 9 = Wall Mount Module A = ~~ADC Module~~ **(Not Available)** B = LGX with Rear Entry C = Corning Eclipse compatible with input adapter, output adapter. D = Splitter/Coupler Tray M = 120 x 80 x 18mm Plastic Case, Pigtails Only S = 100 x 80 x 10mm Plastic Case, Pigtails Only
5th. Digit	**Grade**	0 = Exact 1 = Ultra 2 = Premium 3 = Standard
6th. Digit	**Fiber Type**	0 = Corning SMF-28e 1 = Corning Multimode 62.5/125 2 = Corning Multimode 50/125 (SX+ fiber for 850 nm Laser Multimode)
7th. Digit	**Connector Type Input**	0 = None 1 = FC 2 = FC/APC 3 = SC 4 = SC/APC 5 = ST 7 = Specify L = LC N = LC/APC
8th. Digit	**Connector Type Output**	0 = None 1 = FC 2 = FC/APC 3 = SC 4 = SC/APC 5 = ST 7 = Specify L = LC N = LC/APC
9th. Digit	**Length Input**	0 = Adapter 1 = 1 m 2 = 2 m 3 = 3 m 4 = 4 m 5 = 5 m
10th. Digit	**Length Output**	0 = Adapter 1 = 1 m 2 = 2 m 3 = 3 m 4 = 4 m 5 = 5 m

Ordering Information

Part B

Split Ratio SSS-SSN	Values must add up to 100%
1st. Digit	1st. Split Ratio
2nd. Digit	2nd. Split Ratio
3rd. Digit	3rd. Split Ratio
4th. Digit	4th. Split Ratio
5th. Digit	5th. Split Ratio
nth. Digit	nth. Split Ratio

Example:

F34-73033-12 25,25,25,15,10

Part A of this number (F34-73033-12) gives us a Fiberdyne Labs, Inc. singlemode Dual Wavelength 1310/1550 nm, 1x5, 19" Rackmount module with input pigtails, output pigtails, standard grade coupler using Corning SMF-28e fiber, SC connectors on the input, SC connectors on the output, input length 1 meter, and output length 2 meters.

Part B of this number **(25, 25, 25, 15, 10)** gives us the split ratio values which must add up to 100%

Coupler/Splitter Specifications:

Split Ratio Min	Max Insertion Loss
50/50	3.30/3.30
45/55	3.77/2.88
40/60	4.29/2.49
35/65	4.89/2.14
30/70	5.58/1.81
25/75	6.40/1.51
20/80	7.41/1.22
15/85	8.74/0.96
10/90	10.66/0.71
05/95	14.18/0.47
01/99	23.21/0.29

