

# Fiber Optic Couplers

Fiber Connect Series - FOC



FOC Series

## ○ Features & Benefits

- Low Insertion Loss - High Directivity
- 1310 & 1550 nm Dual Window Operation
- 1 x 2, 3, 4, 6, 8, 16 Models
- Rack Mount
- FC/APC & SC/APC Connector Models

## ○ Specifications

The FOC Series of optical couplers are used to split 1310 & 1550 nm light sources, with minimal loss. The couplers are 19 inch rack mountable and have FC/APC or SC/APC connectors for superior reflection performance.

### FOC-1XXU-XX (74XX)

#### Optical

Number of Inputs: 1				
Wavelength: 1310 & 1550 nm				
Number of Outputs:	2	4	8	16
Insertion Loss (dB):	3.3	6.3	9.5	12.6
Uniformity (dB):	>0.7	>1.4	>2.1	>2.8
Directivity (dB):	>50	>50	>50	>50

#### Mechanical

Dimensions (W x H x D):  
2, 4, 8 & 16 Output: 19 x 1.75 x 12.25 in., 483 x 44.5 x 11 mm  
Weight: 3.8 lbs., 1.7 kg

#### Connectors

74XX-S FC/APC, 74XX-F FC/APC

### FOC-23 (7486U)

#### Optical

Number of Inputs: 1  
Wavelength: 1310 & 1550 nm  
Number of Outputs: 6  
Insertion Loss (Individual Port) (dB): 9.7  
Uniformity (dB): 1.0  
Directivity (dB): 50

#### Mechanical

Dimensions (W x H x D): 19 x 1.75 x 16.72 in., 483 x 44 x 425 mm  
Weight: 3.8 lbs., 1.7 kg

#### Connectors

74XX-S FC/APC, 74XX-F FC/APC

## ○ Ordering Information

Model	Stock No.	Description
FOC-23-16-U	7486U	1 x 6 Fiber Optic Coupler, 19" Rack Mount 1310/1550 nm, FC/APC Connectors
FOC-102U-SA	7450S	1 x 2 Fiber Optic Coupler, 19" Rack Mount 1310/1550 nm, SC/APC Connectors
FOC-104U-SA	7454S	1 x 4 Fiber Optic Coupler, 19" Rack Mount 1310/1550 nm, SC/APC Connectors
FOC-108U-SA	7457S	1 x 8 Fiber Optic Coupler, 19" Rack Mount 1310/1550 nm, SC/APC Connectors
FOC-116U-SA	7460S	1 x 16 Fiber Optic Coupler, 19" Rack Mount 1310/1550 nm, SC/APC Connectors
FOC-102U-FA	7450F	1 x 2 Fiber Optic Coupler, 19" Rack Mount 1310/1550 nm, FC/APC Connectors
FOC-104U-FA	7454F	1 x 4 Fiber Optic Coupler, 19" Rack Mount 1310/1550 nm, FC/APC Connectors
FOC-108U-FA	7457F	1 x 8 Fiber Optic Coupler, 19" Rack Mount 1310/1550 nm, FC/APC Connectors
FOC-116U-FA	7460F	1 x 16 Fiber Optic Coupler, 19" Rack Mount 1310/1550 nm, FC/APC Connectors