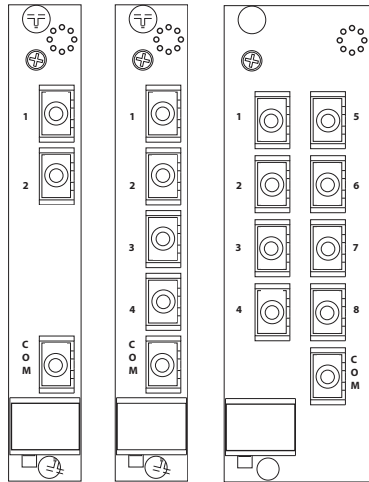


# OSP-X02-SA Series

Optical Splitter



The OSP-X02-SA series optical SPLITTER/COMBINER enables a single transmitter to feed either 2, 4 or 8 optical receivers. The OSP-202-SA and OSP-402-SA are 1-slot Optiva plug-in module, while the OSP-802-SA is a 2-slot Optiva plug-in module.

The OSP-X02-SA SPLITTER is most typically used for point to multipoint or site diversity application

Insert cards are supported in both of Emcore's 1U or 3U 19" rack mount enclosures and 1 or 2 slot desk top enclosures.

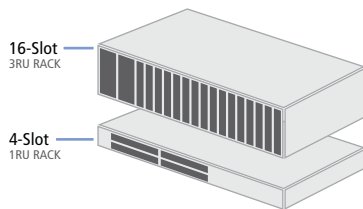
## Features

- 2, 4 and 8-Way
- Optiva insert card form factor
- Low insertion loss

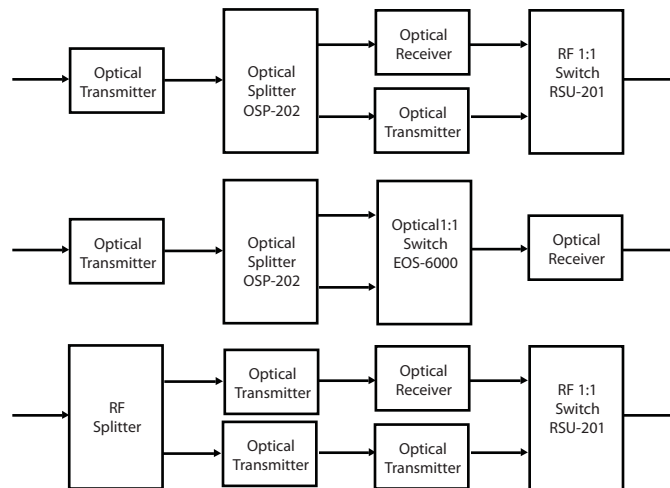
## Applications

- Point to Multipoint
- Site Diversity
- Security
- Satellite Communications

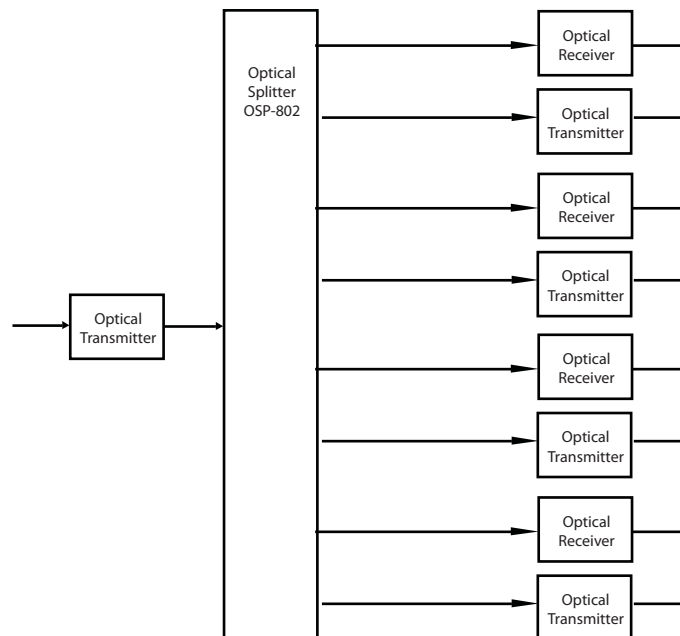
## Enclosure Options



## Functional Diagram - Site Diversity



## Functional Diagram - Point to Multipoint



# OSP-X02-SA Series

Optical Splitter



## Models

Model	Description
OSP-202-13-SA-50	SPLITTER, 2-way, SM, SC/APC, 1310, 50/50
OSP-202-15-SA-50	SPLITTER, 2-way, SM, SC/APC, 1550, 50/50
OSP-202-13-SA-70	SPLITTER, 2-way, SM, SC/APC, 1310, 70/30
OSP-202-15-SA-70	SPLITTER, 2-way, SM, SC/APC, 1550, 70/30
OSP-202-13-SA-90	SPLITTER, 2-way, SM, SC/APC, 1310, 90/10
OSP-202-15-SA-90	SPLITTER, 2-way, SM, SC/APC, 1550, 90/10
OSP-402-13-SA	SPLITTER, 4-way, SM, SC/APC, 1310, Balance Ports
OSP-402-15-SA	SPLITTER, 4-way, SM, SC/APC, 1550, Balance Ports
OSP-802-13-SA	SPLITTER, 8-way, SM, SC/APC, 1310, Balance Ports
OSP-802-15-SA	SPLITTER, 4-way, SM, SC/APC, 1550, Balance Ports

## Specifications

Specifications	Values
Insertion Loss	Port 1 / Port 2
	OSP-202-XX-SA-50/50 <3.5 dB / <3.5 dB
	OSP-202-XX-SA-70/30 <2.1 dB / <6.4 dB
	OSP-202-XX-SA-90/10 <0.8 dB / <12.7 dB
	OSP-402-XX-SA <9.5 dB, equal to all ports
OSP-802-XX-SA <11 dB, equal to all ports	
Optical Return Loss	50 dB
Port Isolation	30 dB
Max Power Handling	21.7 dBm

## General

Specifications	Values
Dimensions (Insert Card)	OSP-202 / OSP-402 6.3"D x 0.8"W x 4.0"H
	OSP-802 6.3"D x 1.6"W x 4.0"H
Weight	OSP-202 5 oz.
	OSP-402 6 oz.
	OSP-802 8 oz.
Operating Temperature	-20°C to +70°C
Storage Temperature	-40°C to +85°C

Rev. January 22, 2010