



Features

- Accepts CWDM wavelengths 1270 to 1610nm
- Varied power splitting ratios
- Enables creation of redundant ring topologies
- Passive optical splitting (No O->E conversion)
- Optional SC or LC optical connectors
- Optiva insert card form factor
- 3 year warranty

Applications

- Broadcast
- Pro A/V
- Security/Surveillance
- Military/Government
- Redundant optical rings

1x2 Splitter with Low Insertion Loss

The OSP-201 enables the splitting of an optical signal onto two separate optical fibers at power ratios of 50/50, 60/40, 70/30, 80/20, and 90/10. This allows flexibility when designing solutions that require optical redundancy or additional outputs for testing purposes.



Optical splitters of various ratios are useful in various network architectures including broadcast tree, mesh, and dual redundant rings. Power loss is specified by the relevant ratio of the OSP-201 version. The OSP-201 is perfect for applications where common fiber count is limited and signals are distributed to different locations dropped from a common path.

System Design

Optiva® insert cards support both 19" rack mount and compact tabletop or wall-mountable enclosures. The 3RU 19" rackmount enclosure (Model: OT-CC-16-100) can support up to 16 insert cards. It also supports dual-redundant, hot-swappable power supplies (Model: OT-CC-16-100-RPS) utilizing two PS-100 power supplies or two PS-200 power supplies (Model: OT-CC-16-200-RPS). Also available in the rackmount form factor is the four-slot (Model: OT-CC-4-1U) which houses four insert cards in 1RU of rack space. The compact one-slot (Model: OT-DTCR-1) and two-slot (Model: OT-DTCR-2) enclosures both use an external power supply (Model: PS-9012).

optiva | PLATFORM

OSP-201

Passive Optical Splitter



DATASHEET

FIBER OPTICS

Models

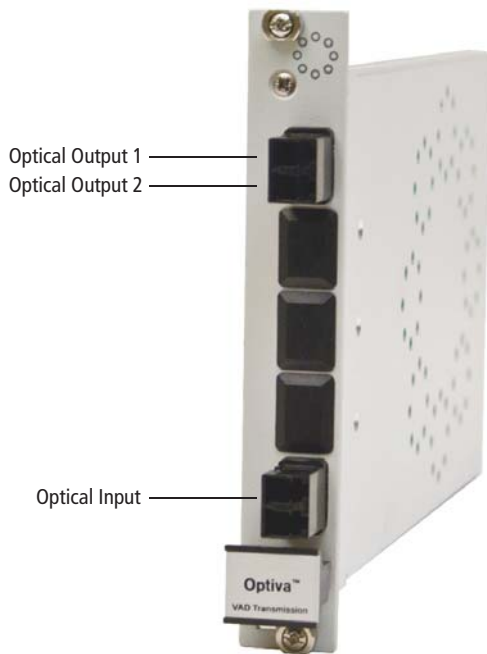
| Model Number | Split Ratio (%/%) |
|-----------------|-------------------|
| OSP-201-5050-XX | 50/50 |
| OSP-201-6040-XX | 60/40 |
| OSP-201-7030-XX | 70/30 |
| OSP-201-8020-XX | 80/20 |
| OSP-201-9010-XX | 90/10 |

■ For ordering, please substitute "XX" in the model for one of the following optical connectors: SC or LC.

Optical Specifications

| Model Number | Insertion Loss (dB/dB) |
|-----------------|------------------------|
| OSP-201-5050-XX | 3.9/3.9 |
| OSP-201-6040-XX | 2.9/4.9 |
| OSP-201-7030-XX | 2.1/6.4 |
| OSP-201-8020-XX | 1.6/8.9 |
| OSP-201-9010-XX | 0.8/12.7 |

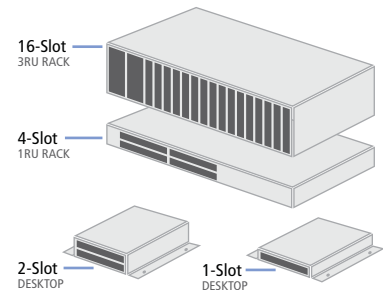
Connection Diagram



General

| Specifications | Values |
|--------------------------|---------------------------|
| Dimensions (Insert Card) | 6.3"D x 0.8"W x 4.0"H |
| Weight | 10 oz. |
| Operating Temperature | -5°C to +70°C |
| Storage Temperature | -40°C to +85°C |
| Humidity | 0 to 95% (non-condensing) |
| Power Consumption | N/A |
| Warranty | 3 years |

Enclosure Options



Compliance

