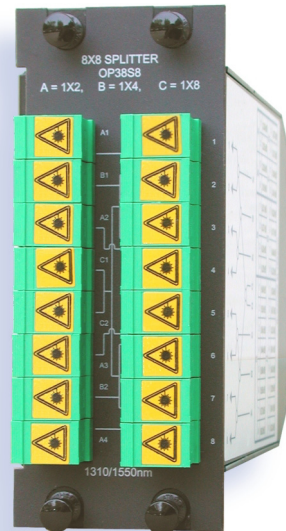


Features

- Maximum flexibility for configuration of splitter / combiner functions
- Low insertion loss
- Dual operating wavelength windows (1310 nm and 1550 nm)
- High port-to-port uniformity
- SC/APC connectors ensure performance repeatability, compatibility and easy installation and maintenance
- Removable connectors for easy cleaning
- High packaging density (up to 16 modules per chassis)

Scalable 8x8 Optical Splitter / Combiner



Aurora Networks' unique scalable 8x8 splitter / combiner module provides optimum versatility in minimum rack space to meet a variety of network configuration requirements for optical splitting and combining functions. When fully loaded, Aurora's CH3000 chassis holds 16 half-depth modules; its packaging concept also permits mounting in any standard LGX chassis. Several examples of how the module can be configured for the combining and splitting of broadcast and narrowcast signals are shown below.



OP38S8S

Product Specifications

Physical:

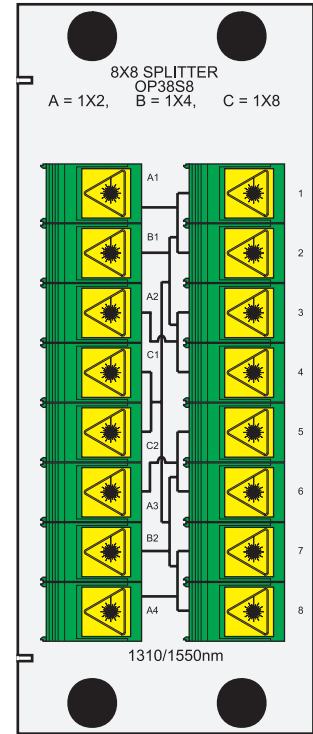
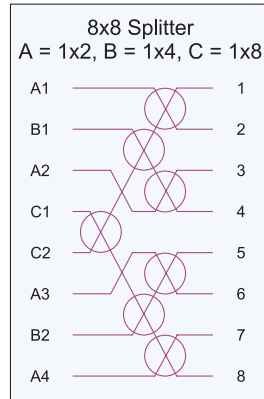
- Dimensions:
6.5" D x 4.3" H x 2.0" W (3RU) (17 cm x 11 cm x 5.1 cm)
- Weight:
1.5 lbs (0.68 kg)

Environmental:

- Operating temperature range: -20° to +65°C (-4° to 149°F)
- Storage temperature range: -40° to +85°C (-40° to 185°F)
- Humidity: 5% to 95% non-condensing

Optical:

- Optical connectors: SC/APC
- Operating wavelength: Dual windows (1310 ± 30 nm and 1550 ± 30 nm)
- Directivity, min: 55 dB
- Return loss, min: 55 dB (including connectors)
- Power handling at input port, max: 27 dBm
- Uniformity: 0.8 dB max, < 0.4 dB typical (including connectors)
- Spectral flatness: 0.8 dB max, < 0.5 dB typical (1530–1572 nm)
- Polarization dependent loss: 0.3 dB max



| Splitter Configuration Type | Insertion Loss [dB], typical (max) |
|-----------------------------|------------------------------------|
| A (1 x 2) | 3.5 (3.9) |
| B (1 x 4) | 6.7 (7.2) |
| C (1 x 8) | 10.2 (10.7) |

Ordering Information

O P 3 8 S 8 S - E Q - 0 0 - A S

Optical Passive Module
(Scalable 8x8 Optical Splitter / Combiner)

AS = SC/APC Connector



Corporate Headquarters
5400 Betsy Ross Drive
Santa Clara, CA 95054
Tel 408.235.7000
Fax 408.845.9045