

# Optical Passives (ISP)

## OP38S8S

### Scalable 8x8 Optical Splitter/Combiner

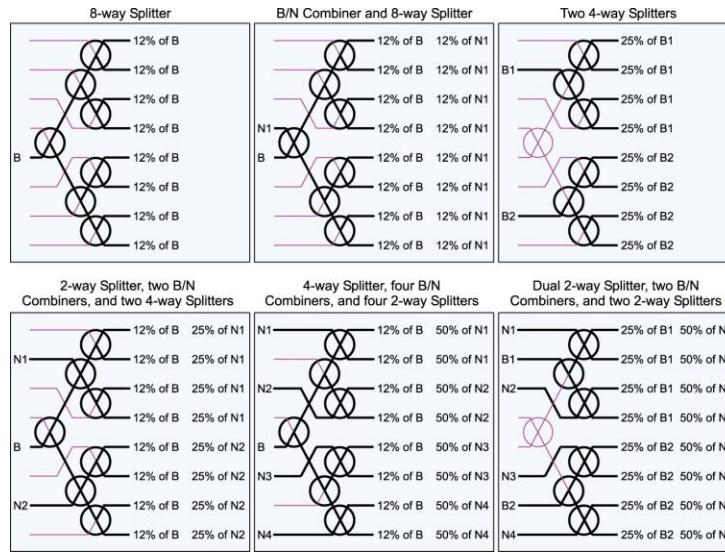
## FEATURES

- 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)



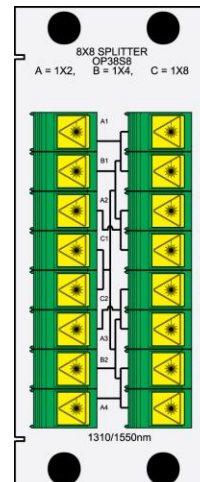
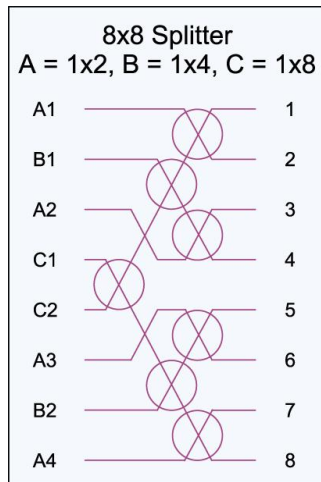
## PRODUCT OVERVIEW

The ARRIS 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, ARRIS'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 on the following page.

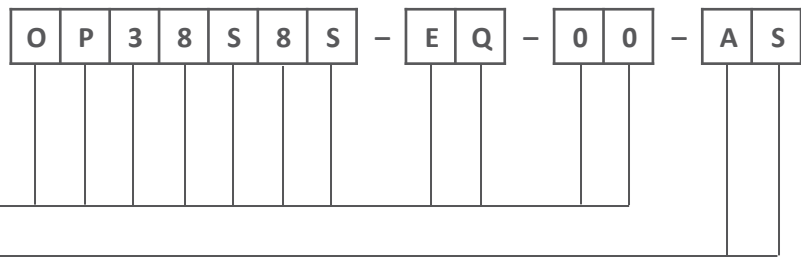


## SPECIFICATIONS

Characteristics	Specification
<b>Physical</b>	
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)
<b>Environmental</b>	
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
<b>Optical</b>	
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
	<b>Splitter Configuration Type</b>
	A (1 x 2)
	B (1 x 4)
	C (1 x 8)
	<b>Insertion Loss [dB], typical (max)</b>
	3.5 (3.9)
	6.7 (7.2)
	10.2 (10.7)



ORDERING INFORMATION



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

AS = SC/APC Connector

RELATED PRODUCTS

CH3000 Chassis	Optical Patch Cords
Optical Transmitters	Optical Passives
HPON™	Installation Services

## Customer Care

Contact Customer Care for product information and sales:

- United States: 866-36-ARRIS
- International: +1-678-473-5656

**Note:** Specifications are subject to change without notice.

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