Optical Passives (ISP)

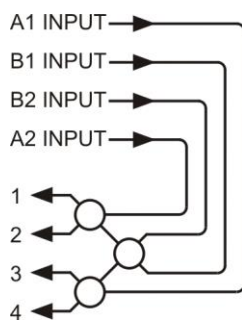## OP34S4S
Scalable 4x4 Optical Splitter/Combiner

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 32 modules per chassis)
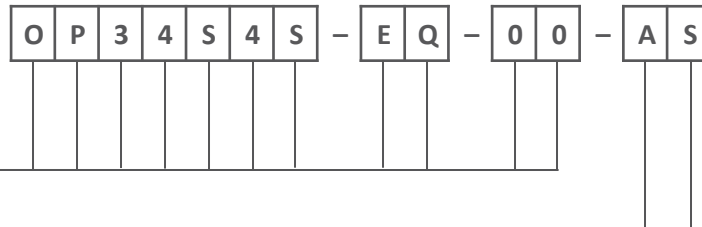
PRODUCT OVERVIEW

The ARRIS unique scalable 4x4 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 32 half-depth modules; its packaging concept also permits mounting in any standard LGX chassis. How the module can be configured for the combining and splitting of broadcast and narrowcast signals is shown on the following page.

ARRIS

SPECIFICATIONS

Characteristics	Specification
Physical	
Dimensions	6.5" D x 4.3" H x 1.0" W (3RU) (17 cm x 11 cm x 2.5 cm)
Weight	0.8 lbs (0.34 kg)
Environmental	
Operating Temperature Range	−20°C to +65°C (−4°F to +149°F)
Storage Temperature Range	−40°C to +85°C (−40°F to +185°F)
Humidity	5% to 95% non-condensing
Optical	
Optical connectors	SC/APC
Number of splitters	1
Splitter type	4x4
Operating wavelength	Dual windows (1263.5–1357.5 nm and 1423.5–1617.5 nm)
Directivity, min	55 dB
Return loss, min	55 dB (including connectors)
Power handling at input port, max	27 dBm
Uniformity, max (typical)	0.6 (0.3) dB
Spectral flatness, max (typical)	0.6 (0.3) dB
Polarization dependent loss, max	0.2 dB
Insertion loss including connectors, max (typical)	
1 x 2 splitter	3.6 (3.3) dB
1 x 4 splitter	6.8 (6.4) dB

ORDERING INFORMATION

| O | P | 3 | 4 | S | 4 | S | – | E | Q | – | 0 | 0 | – | A | S |

Optical Passive Module
(Scalable 4x4 Optical Splitter/Combiner)

AS = SC/APC Connector

RELATED PRODUCTS

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

Note: Specifications are subject to change without notice.

Customer Care

Contact Customer Care for product information and sales:
- United States: 866-36-ARRIS
- International: +1-678-473-5656

87-10363-RevE_OP34S4S_Scalable4x4Splitter

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