

Optical Passives (ISP)

NP34S04SEQ

Scalable 4x4 Optical Splitter/Combiner

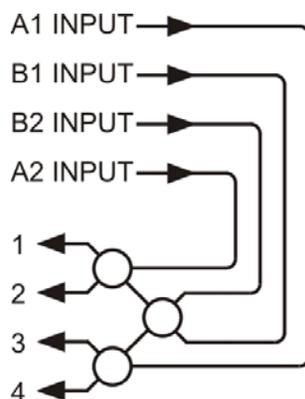
FEATURES

- 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
- Telcordia GR-1209 and GR-1221 qualified, providing excellent environmental and mechanical stability
- Removable connectors for easy cleaning
- High packaging density (up to 32 modules per chassis)
- LGX chassis-compatible for ISP inside plant controlled indoor environments
- Replaces OP34S4S



PRODUCT OVERVIEW

ARRIS's 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.



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 (indoor) | -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 Interface | | |
| 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 | 0.6 dB max, < 0.3 dB typ | |
| Spectral flatness | 0.6 dB max, < 0.3 dB typ | |
| Polarization dependent loss | 0.2 dB max | |
| | 1x2 | 1x4 |
| Insertion Loss [dB], including connectors typical (max) | 3.3 (3.6) | 6.4 (6.8) |

ORDERING INFORMATION

| Part Number | Description |
|----------------------|--|
| NP34S04SEQZ00-0LA-AS | Scalable 4x4 Optical Splitter/Combiner |

RELATED PRODUCTS

| | |
|----------------------|-----------------------|
| CH3000 Chassis | Optical Patch Cords |
| Optical Transmitters | Optical Passives |
| PF3000 Frame | 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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