



LSA2S Series

Stand-Alone Active L-Band Splitters, EcoLine

GENERAL

The LSA2S series offers various L-Band splitter units in a compact 1RU/19" rack-mount chassis. This splitter series features the active splitter units (LSA2S-104/-108/-116/-132) and dual active splitter units (LSA2S-204/-208/-216) allowing L-Band signal splitting from 4 to 32 outputs. The units furthermore provide 10MHz external reference, switchable LNB-supply and are equipped with 2 power-supply units assuring 1:1 hot-swappable power-supply redundancy. Various additional options are also available (see order-information). The LSA2S L-Band splitters are perfectly suited for Satellite-, broadcast and broadband RF-distribution infrastructures where flexible signal distribution as well as accurate and high-quality RF performance is relevant. The LSA2S splitters are available with 50Ohm SMA(f) or 75Ohm F(f) connectors, 50Ohm N(f) connectors are available upon request (see order-information).



FEATURES

- Space saving 1RU/19" design
- Featuring single 1:4, 1:8, 1:16 and 1:32 splitting as well as dual 1:4, 1:8 and 1:16 splitting
- 10MHz external reference, rear-side 50Ohm SMA(f)
- Switchable LNB-supply 18VDC, 400mA, Fuse protected 450mA
- Front-side LED's displaying LNB-supply and power-supply status
- 1:1 power supply redundancy, hot swappable
- Various Options available

ORDER INFORMATION

In-/Output: 50Ohm SMA(f) connectors

- **LSA2S-104:** Active L-Band Splitter, 1 x 1:4*
- **LSA2S-108:** Active L-Band Splitter, 1 x 1:8*
- **LSA2S-116:** Active L-Band Splitter, 1 x 1:16
- **LSA2S-132:** Active L-Band Splitter, 1 x 1:32
- **LSA2S-204:** Active Dual L-Band Splitter, 2 x 1:4
- **LSA2S-208:** Active Dual L-Band Splitter, 2 x 1:8
- **LSA2S-216:** Active Dual L-Band Splitter, 2 x 1:16

* 50Ohm N(f) connectors available upon request

In-/Output: 75Ohm F(f) connectors

- **LSA2S-104-75:** Active L-Band Splitter, 1 x 1:4
- **LSA2S-108-75:** Active L-Band Splitter, 1 x 1:8
- **LSA2S-116-75:** Active L-Band Splitter, 1 x 1:16
- **LSA2S-132-75:** Active L-Band Splitter, 1 x 1:32
- **LSA2S-204-75:** Active Dual L-Band Splitter, 2 x 1:4
- **LSA2S-208-75:** Active Dual L-Band Splitter, 2 x 1:8
- **LSA2S-216-75:** Active Dual L-Band Splitter, 2 x 1:16

Options

- **Option 091:** DC Intern / 10MHz Extern Common-Port
- **Option 092:** DC Extern / 10MHz Extern Common-Port
- **Option 093:** DC / 10MHz Pass Through Port1/Common
- **Option 094:** DC Pass Through Port1/Common
- **Option 095:** 10MHz Pass Through Port1/Common

TECHNICAL SPECIFICATIONS

- **Dimensions:** 1RU/19", 260mm depth
- **Power supply:** 85...230V, 50/60Hz
1:1 redundant (hot-swap)
- **Power consumption:** < 10W
- **L-Band splitting variants:** 1:4, 1:8, 1:16
Dual 1:4, 1:8, 1:16
- **Potential free error cont.:** DB9-female
- **Frequency range:** 950...2150MHz
- **Input/Output connectors:** 50Ohm SMA(f) or 75Ohm F(f)
*50Ohm N(f) upon request
- **Isolation:** ≥ 25dB (50Ohm) / ≥ 20dB (75Ohm)
- **Insertion loss:** 0dB typ., ± 0,5dB max.
- **Frequency response:** ±0,5dB typ, < ± 1dB max.
- **1dB Compression:** ≤ +10dBm
- **Input Return loss:** ≥ 16dB typ.
- **Output Return loss:** ≥ 18dB typ.
- **IMA3 @ -10dBm:** < -56dBc
- **Noise figure:** ≤ 5dB
- **Switchable LNB supply:** 18VDC, 400mA
Fuse protected 450mA
- **Status LED's:** LNB-supply & PSU monitoring
- **Operating temperature:** 0...45°C
- **Storage temperature:** -10°C...70°C
- **Humidity:** 90% non-condensing