



SLS2708L

Active 1:8 L-Band Splitter with With Integrated Line-Amplifier

GENERAL

The SLS2708L is a 1:8 L-Band splitter with an integrated line-amplifier built into a compact 1RU/19" rack-mount chassis. The unit features 1:8 L-Band splitting while the amplifier allows variable gain adjustment at each of the 8 outputs so to reach best RF performance within the network. Besides the variable gain adjustment (MGC/AGC) and 1:8 splitting the unit also features slope-equalization, 10MHz external reference, RF power monitoring, LNB-powering as well as 1:1 redundant power-supply (hot-swappable). The SLS2708L features a flexible and compact RF-distribution solution which is perfectly suited for applications in Teleports, Satellite Earth-Stations, as well as Broadcast- and Broadband facilities wherever accurate RF power, highest stability and availability is necessary. The unit has a front-side LC-Display/keypads for user-friendly local configuration while front-side status LED's indicating power-supply status. Remote control and configuration can be done via its rear-side Ethernet-Interface (WEB-GUI, SNMP). The SLS2708L is available with 50Ohm SMA(f) or 75Ohm F(f) connectors (see order-information).



FEATURES

- Space saving and compact 1RU/19" design
- 1:8 L-Band splitter and amplifier in one unit
- Variable gain-adjust -7...+17dB (MGC/AGC), 1dB steps
- Supports slope-equalization 0...9dB, 1dB steps
- Front-side monitoring-port (-20dB)
- Permanent RF-power monitoring (Input/Output)
- Threshold alarm function and switchable output limiter
- 10MHz external reference signal, rear-side 50Ohm SMA(f)
- Switchable LNB-power supply (13/15/18V, 22kHz, 400mA)
- LNB current monitoring (400mA) with alarm shut-off
- 1:1 redundant power supply (hot swappable)
- Local access & configuration via front side LC-Display/keypads
- Front side status LED's indicating power-supply status
- Remote configuration via Ethernet-Interface, RS232/485 (WEB-GUI/SNMPv2c)

ORDER INFORMATION

- **SLS2708L:** 1:8 L-Band splitter with integrated Line Amplifier, 1RU/19", 50Ohm SMA(f)
- **SLS2708L-75:** 1:8 L-Band splitter with integrated Line Amplifier, 1RU/19", 75Ohm F(f)

TECHNICAL SPECIFICATIONS

- **Dimensions:** 1RU/19", 260mm deep
- **Power supply:** 85...230V, 50/60Hz
1:1 redundant (hot-swappable)
- **Power consumption:** <10W
- **Frequency range:** 950...2150MHz (L-Band)
- **Input/Output connectors:** 50Ohm SMA(f) or 75Ohm F(f)
- **Return-loss:** 16dB min.
- **Flatness:** ±0.5dB typ., ±1dB max.
- **Variable Gain adjust:** -7...+17dB (Acc. ±0.25dB)
1dB steps (MGC/AGC)
- **Slope equalization:** 0...9dB, 1dB steps
- **Max. RF output power:** +13dBm (@50Ohm)
+11dBm (@75Ohm)
- **Noise figure:** ≤5dB @ 30dB gain
- **IMA3 @ +10dBm:** < -40dBc
- **1dB Compression point:** +13dBm
- **Output limiter:** adjustable -40dBm...+10dBm
- **L-Band splitting config.:** 1:8
- **Input Isolation:** ≥ 25dB (50Ohm)
≥ 20dB (75Ohm)
- **Monitoring port:** -6dB (front-side)
- **10MHz reference:** External, rear 50Ohm SMA(f)
*Internal upon request
- **LNB-supply:** 13/15/18V, 22kHz, 400mA
- **Access/Control:** LC-Display/keypads,
100Mbit Ethernet-Interface,
RS232/485
(WEB-GUI, SNMPv2c)
- **Status LED's:** PSU monitoring
- **Operating temper.:** 0...45°C
- **Storage temperature:** -10°C...70°C
- **Humidity:** 90% non-condensing