...designed for perfect signals

NEW

RLS2708L

Active 1:8 L-Band splitter with 1:1 amplifier redundancy

GENERAL

The RLS2708L is a 1:8 L-Band splitter with front-side inserted 1:1 redundant operating line-amplifier modules built into a compact 1RU/19" rack-mount chassis. The unit features 1:8 L-Band splitting while the two redundant operating amplifier modules allow variable gain adjustment at each of the 8 outputs so to reach best RF performance within the network. The redundancy switching between these two amplifier modules is done nearly interruption free within a switchover time of less than 5ms. 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 RLS2508L 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 amplifier and power-supply status. Remote control and configuration can be done via its rear-side Ethernet-Interface (WEB-GUI, SNMP). The RLS2508L is available with 50Ohm SMA(f) or 75Ohm F(f) connectors (see order-information).

FEATURES

- Space saving and companct 1RU/19" design
- 1:8 L-Band splitter and 1:1 operating amplifiers in one box
- 1:1 redundant hot-standby operating amplifier-modules
- Less then 5ms switchover between ampflifier 1 & 2
- Variable gain-adjust -7...+17dB (MGC/AGC), 1dB steps
- Less then 5ms switchover between ampflifier 1 & 2
- Supports slope-equalization 0...9dB, 1dB steps
- Front-side monitoring-port (-10dB)
- Permanent RF-power monitoring (Input/Output) for both amplifier-modules
- 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 amplifier- and power-supply status
- Remote configuration via Ethernet-Interface, RS232/485 (WEB-GUI/SNMPv2c)

ORDER INFORMATION

- **RLS2708L:** 1:8 L-Band splitter with 1:1 redundant Line Amplifier, 1RU/19", 50Ohm SMA(f)
- **RLS2708L-75:** 1:8 L-Band splitter with 1:1 redundant 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)
Input Return-Loss:	14dB min.
Output Return-Loss:	18 dB 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 @ 17dB gain
IMA3 @ +10dBm:	< -36dBc
1dB Compression point:	+13dBm
Output limiter:	adjustable -40dBm...+0dBm
L-Band splitting config.:	1:8
Input Isolation:	≥ 25dB (50Ohm) ≥ 20dB (75Ohm)
Monitoring port:	-10dB (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:	Amplifier & PSU monitoring
Operating temper.:	0...45°C
Storage temperature:	-10°C...70°C
Humidity:	90% non-condensing
NEXT PAGE:	RLS2716L, Active 1:16 L-Band splitter with 1:1 amplifier redund.

Made in Germany

NEW

RLS2716L
Active 1:16 L-Band splitter with 1:1 amplifier redundancy

GENERAL

The RLS2716L is a 1:16 L-Band splitter with front-side inserted 1:1 redundant operating line-amplifier modules built into a compact 1RU/19" rack-mount chassis. The unit features 1:16 L-Band splitting while the two redundant operating amplifier modules allow variable gain adjustment at each of the 16 outputs so to reach best RF performance within the network. The redundancy switching between these two amplifier modules is done nearly interruption free within a switchover time of less than 5ms. Besides the variable gain adjustment (MGC/AGC) and 1:16 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 RLS2516L 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 amplifier and power-supply status. Remote control and configuration can be done via its rear-side Ethernet-Interface (WEB-GUI, SNMP). The RLS2516L is available with 50Ohm SMA(f) or 75Ohm F(f) connectors (see order-information).

FEATURES

- Space saving and companct 1RU/19" design
- 1:16 L-Band splitter and 1:1 operating amplifiers in one box
- 1:1 redundant hot-standby operating amplifier-modules
- Less then 5ms switchover between ampflifier 1 & 2
- Variable gain-adjust -11...+13dB (MGC/AGC), 1dB steps
- Less then 5ms switchover between ampflifier 1 & 2
- Supports slope-equalization 0...9dB, 1dB steps
- Front-side monitoring-port (-6dB)
- Permanent RF-power monitoring (Input/Output) for both amplifier-modules
- 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 amplifier- and power-supply status
- Remote configuration via Ethernet-Interface, RS232/485 (WEB-GUI/SNMPv2c)

ORDER INFORMATION

- **RLS2716L:** 1:16 L-Band splitter with 1:1 redundant Line Amplifier, 1RU/19", 50Ohm SMA(f)
- **RLS2716L-75:** 1:16 L-Band splitter with 1:1 redundant 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)
Input Return-Loss:	14dB min.
Output Return-Loss:	18 dB min.
Flatness:	±0.5dB typ., ±1dB max.
Variable Gain adjust:	-11...+13dB (Acc. ±0.25dB) 1dB steps (MGC/AGC)
Slope equalization:	0...9dB, 1dB steps
Max. RF output power:	+9dBm (@50Ohm) +7dBm (@75Ohm)
Noise figure:	5dB @ 13dB gain
IMA3 @ +7dBm:	< -36dBc
1dB Compression point:	+10dBm
Output limiter:	adjustable -40dBm...+0dBm
L-Band splitting config.:	1:16
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:	Amplifier & PSU monitoring
Operating temper.:	0...45°C
Storage temperature:	-10°C...70°C
Humidity:	90% non-condensing

Active 1:16 L-Band splitter with 1:1 amplifier redundancy