

ELSA BaseLine Series

Extended L-Band Active Splitter with redundant Amplifier

The ELSA Baseline Splitter represents professional active IF splitting in a compact 1RU/19" rack mount chassis, especially designed for RF distribution applications where excellent, stable and accurate signal quality and performance is necessary.

The unit is available as 16-way active splitter and operate at the Extended L-Band Frequency Range 850 – 2450MHz.

Additionally, they feature RF power monitoring at all inputs and at its output and come with 1:1 amplifier and 1:1 redundant dual power supply.

Front side status LED´s indicating and monitoring the health status of the unit. Remote configuration, monitoring and alarming can be done via an RJ45 Ethernet-Interface (WebGUI, SNMP).



Picture without frontside monitoring port but included

FEATURES & BENEFITS

- Extended L-Band 850 – 2450MHz
- 1:16 splitting
- 1:1 redundant amplifier
- 50Ohm SMA(f)
- Threshold monitoring
- Front panel status LED´s and rf monitoring port -20dB
- Remote configuration and monitoring (WebGUI, SNMP)
- 1:1 redundant dual power supply

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TECHNICAL SPECIFICATIONS

Dimensions:	1RU/19” rack mount
Power Supply:	85 – 264V, 50/60Hz, 1:1 redundant
Power Consumption:	<10W
Frequency Range:	850 – 2450MHz
Input/Output Connectors:	50Ohm SMA(f), monitoring port 50Ohm SMA(f) frontside
Input RF Power:	Nominal -10dBm, 0dBm max. damage level
Input/Output Return Loss:	12dB min., 16dB typ.
Noise Figure:	5dB max.
Isolation:	20dB min., 23dB typ.
Insertion Loss:	0dB typ., ±0.5dB max.
Frequency Response:	±1.0dB typ., ±2.0dB max.
P1dB:	0dBm typ.
IMA3 @ -10dBm:	-50dBc typ.
SFDR:	< - 80dBm
Gain Adjust:	0 to +5dB (1:16) at splitter output for all ports together, step 0,5dB
RF Power Monitoring:	-40 to 0dBm dynamic range, calibrated to LTE signal on request, standard CW calibration
Threshold Monitoring:	-30 to 0dBm adjustable all inputs and common output with alarm
Remote Configuration:	RJ45 Ethernet-Interface (WebGUI, SNMP)
Status LED´s:	Power supply, Splitter Module, Ethernet status
Operating Temperature:	0°C to 50°C
Storage Temperature:	-20° to 75°C
Humidity:	90%, non-condensing
RoHS:	Compliant

ORDER INFORMATION

Type with 50Ohm SMA(f)

Module Type	Type No.	Short Description
ELSA116R-50S	9001323	Active IF Splitter 1:16, 850 – 2450MHz, 1:1 redundant amplifier, adjustable gain 0 to 5dB, Output RF power monitoring, THD function, 50Ohm SMA(f), Status LED, Ethernet-Interface (WebGUI, SNMP), 1:1 redundant PSU, monitoring port 50Ohm SMA(f) frontside

OPTIONS

Type	Type No.:	Short Description
Option10M - 10MHz Internal Source	9001531	10MHz sine Wave, +5dBm, Aging ±500 ppb max. @ 10 years: Phase Noise -90 dBc @ 1 Hz, -120 dBc @ 10 Hz, -142 dBc @ 100 Hz, -155 dBc @ 1 kHz, -160 dBc @ 10 kHz.

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