



Model Number: D0104S1ULA-22239-S5S5

4-way Single L-band Active LD Series Splitter

With switchable LNB Powering



The compact 4-way active splitter is part of the LD Splitter Series and is designed to provide affordable L-band splitting in a 1U high, 19" rack mountable chassis.

Front View of Model D0104S1ULA-22239-S5S5

Covering the full range of L-band, 850-2150MHz, this shelf also offers dual redundant power supplies, and is also able to offer switchable LNB powering.

Front panel LED's indicate the condition of the dual redundant power supplies and the status of the LNB bias.



Rear view of LD Series Splitter showing switchable LNB Powering

This particular unit is supplied with 50 ohm SMA RF connectors, but is available in a range of impedances and RF connectors (not N-type RF connectors).





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RF Engineering and Custom Build

Technical specifications and operating parameters

RF Parameters

Capacity	4- way	
Frequency Range	850-2150 MHz (L-band)	
Gain	0 ± 1.5 dB nominal	
Flatness	Full Band	± 1.0 dB
	Any 36MHz	± 0.25 dB
1dB compression	0 dBm	
Noise Figure	12 dB	
Input Return Loss	Typical	15 dB
	Minimum	10 dB
Output Return Loss	Typical	18 dB
	Minimum	12 dB
Group Delay Variation	Full Band	2 ns maximum
	Any 36MHz	1 ns maximum
Isolation	25 dB	
OIP3	+12 dBm	

System Control

Display	Front panel LEDs to indicate PSU1, PSU2, LNB supply on.
Local Control	LNB Powering switch on rear panel

Environmental

Operating temperature	0 to 50°C
Location	Indoor use only
Storage temperature	-20°C to +75°C
Humidity	85% non-condensing

Physical

Input Connectors	SMA
Input Impedance	50Ω
Output Connectors	SMA
Output Impedance	50Ω
Dimensions	1U high x 200mm deep x 19" wide
Weight	2 kg
Colour	White 00-E-55 (semi-gloss)

Power

AC Power	85-264V AC (50/60Hz)
LNB Power	18V DC nominal, 310mA per channel, switchable on/off
PSU	Dual Redundant with single IEC inlet
Hot-swap PSU	None

Key Features

Housed in Compact 1U high rack
PSU alarms via LED's on front panel
Status of LNB via LED on front panel
Dual redundant PSU's

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