



Model Number: **D0104S1ULA-22239-F7F7**

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 LD Series splitter

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 75 ohm F-type RF connectors, but is available in a range of impedances and RF connectors (not N-type RF connectors).





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Technical specifications and operating parameters

RF Parameters		
Capacity		4-way
Frequency Range		850-2150 MHz (L-band)
Gain		0 dB \pm 1.5 dB nominal
Flatness	Full Band	\pm 1.5 dB
	Any 36MHz	\pm 0.3 dB
Noise Figure		12 dB
1dB compression		0 dBm
Input Return Loss	Typical	15 dB
	Minimum	8 dB
Output Return Loss	Typical	15 dB
	Minimum	10 dB
Group Delay Variation	Full Band	2 ns maximum
	Any 36MHz	1 ns maximum
Isolation		25 dB
OIP3		+12 dBm

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

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

Physical	
Input Connector	F-type
Input Impedance	75 Ω
Output Connector	F-type
Output Impedance	75 Ω
Dimensions	1U high x 200mm deep x 19" wide
Weight	2 kg
Colour	White 00-E-55 semi-gloss (front panel)

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

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

