



Model Number: 22227-N5N5

RF Engineering
and Custom Build

Hybrid 8-way L-band Active Splitter & Combiner

With LNB Powering



This hybrid unit comprises of an 8-way L-band active splitter and an 8-way L-band active combiner accommodated in a 2U high, 19" rack mountable chassis. The unit benefits from switchable LNB Powering and dual redundant power supplies.

Front View of Model 22227-N5N5

The power supplies can be monitored via the front panel status LEDs or via a dry contact alarm port on the rear panel.



Rear View of Model 22227-N5N5

This particular unit has 50 ohm N-type RF connectors but other impedances and connector types are available (model numbers will vary).





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Technical specifications and operating parameters

RF Parameters

SPLITTER		
Capacity	8-way	
Frequency Range	850 -2150 MHz (L-band)	
Gain	Gain	1 dB \pm 1 dB nominal, mean
Amplitude Variations	850-2150MHz	\pm 1.0 dB
	Any 36MHz	\pm 0.5 dB
1 dB Compression	0 dBm	
Input Return Loss	12 dB typical	
Output Return Loss	15 dB typical	
COMBINER		
Capacity	8-way	
Frequency Range	850-2150 MHz (L-band)	
Gain	1 dB \pm 1 dB	
Amplitude Variations	850-2150MHz	\pm 1.0 dB
	Any 36MHz	\pm 0.5 dB
1 dB Compression	+10 dBm	
Input Return Loss	15 dB typical	
Output Return Loss	15 dB typical	

Environmental

Operating temperature	0 to 45°C
Location	Indoor use only
Storage temperature	-20°C to +75°C
Humidity	85% non-condensing

System Control

Display	Front Panel LED's for Power &
Alarms	Dry contact alarm port on rear

Physical

Input Connector	N-type
Input Impedance	50 Ω
Output Connector	N-type
Output Impedance	50 Ω
Dimensions	2U high x 350mm deep x 19" wide
Weight	8 kg
Colour	White 00-E-55 semi-gloss

Power

AC Power	85-264Vac 50/60Hz
LNB Power	18V DC nominal, 500mA
PSU	Dual redundant
Hot-swap PSU	No

Key Features

Hybrid unit containing 1 x 8-way Splitter & 1 x 8-way
Switchable LNB Powering
Dual redundant power supplies

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