



Model Number: 22361-xxxx

RF Engineering  
and Custom Build

# 4-way Dual L-band Passive Splitter

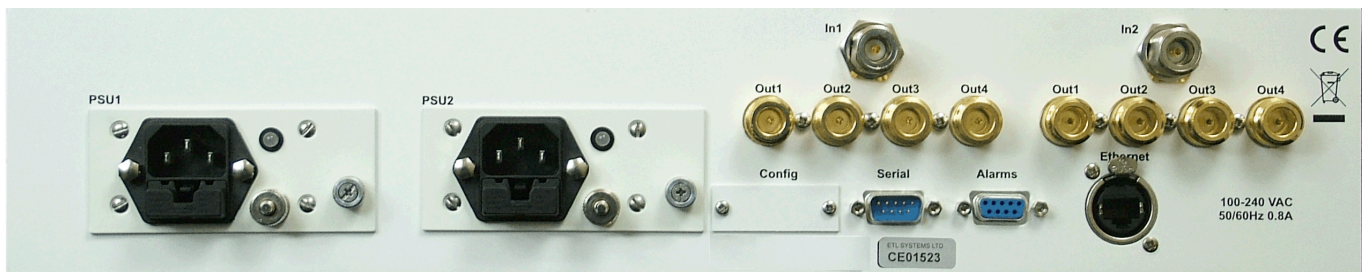
With switchable 13/18V LNB Powering, 22KHz Tone, local & remote control & monitoring



Front View of Model 22361-N5N5

This unit contains 2 4-way passive L-band splitters housed in a 2U high 19" rack mountable shelf. It benefits from 13/18V DC LNB powering and 22KHz tone which is switchable both locally via push buttons on the front panel and remotely via a serial or Ethernet port. Dual redundant, hot-swap power supplies are provided for reliability in service.

Front panel LEDs provide a visual status for the hot-swap power supplies. Remote monitoring can also be done via a dry contact summary alarm port, Ethernet port or Serial port on the rear panel.



Rear View of Model 22361-N5N5

A range of connectors and impedances is available (model numbers will vary).

### Typical applications:

- Satellite operators, VSAT, teleports, and broadcasters
- High resilience RF distribution, and optimum satellite signal quality

### Benefits & features:

- Dual, passive, 4-way splitter
- Switchable 13/18V LNB powering & 22KHz tone
- Resilient solution with dual redundant, hot-swap power supplies
- Local & remote control & monitoring





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4-way Dual L-band Passive Splitter with switchable 13/18V LNB  
Powering, 22KHz Tone, local & remote control & monitoring

Technical specifications and operating parameters

RF Parameters						
SPLITTER PARAMETERS						
Capacity	4-way , Dual		Passive			
Frequency Range	850-2150 MHz (L-band)					
RF Connectors	50Ω SMA	50Ω N-type	50Ω BNC	75Ω BNC	75Ω F-type	
Insertion Loss	7±0.75 dB	7±0.75 dB	7±1.0 dB	7±1.25 dB	7±1.25 dB	
Flatness	Full Band	±1.0 dB	±1.2 dB	±1.5 dB	±1.8 dB	±2.0 dB
	Any 36MHz	±0.25dB	±0.25dB	±0.5dB	±0.75 dB	±1.0 dB
Input Return Loss	Typical	15 dB typ	15 dB typ	15 dB typ	11 dB typ	11 dB typ
	Minimum	12 dB min	10 dB min	12 dB min	8 dB min	8 dB min
Output Return Loss	Typical	18 dB typ	18 dB typ	18 dB typ	14 dB typ	14 dB typ
	Minimum	15 dB min	15dB min	15 dB min	10 dB min	10 dB min
Isolation	>22 dB		Maximum , between any two output ports in a single channel			

Environmental	
Operating temperature	0 to 45°C
Location	Indoor use only
Storage temperature	-20°C to +75°C
Humidity	20 to 90% non-condensing

Physical	
Dimensions	2U high x 350mm deep x 19" wide
Weight	4 kg
Colour	White 00-E-55 semi-gloss

Key Features	
Dual passive 4-way splitter	
Switchable 13/18V LNB Powering & 22KHz Tone	
Local & Remote control & Monitoring	
Dual redundant hot-swap power supplies	

System Control		
Local Control	Via front panel push buttons to select 13/18V & 22KHz Tone	
Remote Control & Monitoring	Via Serial (RS232/485) and Ethernet (RJ45) port on rear panel	Enables selection of LNB voltage & provides monitoring of LNB current & alarm status.
Display	Front panel LED's for 13/18V & 22 KHz tone selecting, PSU failure & Power on/off status	
Alarms	Dry contact (D-type) & Ethernet (RJ45) for PSU failure and low/high LNB Current	

Power		
AC Power	85-264Vac 50/60Hz	Fused 2A
AC Consumption	30W	Max. consumption at steady state
LNB Power	13/18V DC nominal, 0.5A via common (RF IN) ports	Each channel fused and monitored
PSU	Dual redundant and Alarmed	Diode OR
Hot-swap PSU	Yes	

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