Model Number: 23127-N5N5

RF Engineering
and Custom Build

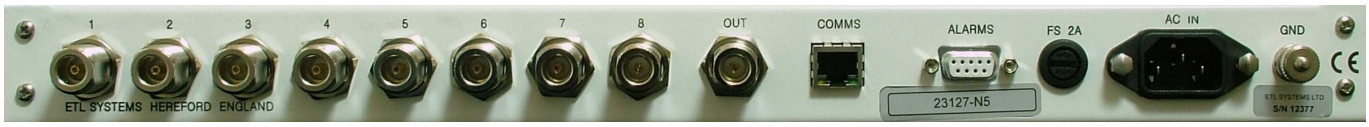
8 x 1 IF / L-band Switch

With Local & Remote Control (Via RJ45 Ethernet Port)

Front View of Model 23127-N5N5

This 8x1 IF through L-band switch operates over the 50-2150MHz frequency range. The unit can be locally controlled using the illuminated push buttons on the front panel, and remotely controlled via an Ethernet port on the rear panel.

The switch is powered from a single mains power supply, which can be monitored via the front panel status LED or a dry contact alarm port for PSU failure on the rear panel.



Rear View of Model 23127-N5N5

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

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8 x 1 IF / L-band Switch with Local & Remote Control (via RJ45 Ethernet Port)

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Technical specifications and operating parameters

PRELIMINARY SPECIFICATIONS

RF Parameters			
Capacity		8 x 1	
Frequency Range		50-2150 MHz (IF / L-band)	
Gain		1 dB ± 1 dB nominal, mean across band	
Flatness	850-2150MHz	± 2.0 dB	± 1.5 dB typical
1dB Compression		0 dBm	5 dBm typical
Noise Figure		8 dB	
Isolation	I/P	60 dB	70 dB typical
	O/P	60 dB	70 dB typical
Input Return Loss		10 dB typical	
Output Return Loss		10 dB typical	

System Control	
Local Control	Via illuminated push buttons on the front panel
Remote Control	Via RJ45 Ethernet Port on the rear panel
Display	Front panel LED's for power status & illuminated push buttons to show current route selected
Alarms	Dry contact alarm port on rear panel for PSU failure

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

Power	
AC Power	85-264Vac 50/60Hz
LNB Power	None
PSU	Single
Hot-swap PSU	No

Physical	
Input Connector	N-type
Input Impedance	50Ω
Output Connector	N-type
Output Impedance	50Ω
Dimensions	1U high x 450mm deep x 19" wide
Weight	6 kg
Colour	White 00-E-55 semi-gloss

Key Features
Local & Remote Control
Single Power Supply
Dry contact alarm port for PSU failure

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