



Model Number: 23113-N5N5

RF Engineering
and Custom Build

4 x 1 C-band Switch

With remote control only (via RS232/485 serial port)



Front View of Model 23113-N5N5

This 4x1 C-Band switch operates over the 350-10,000 MHz frequency range and is designed primarily for carrier monitoring purposes. The unit can be remotely controlled via a RS232/485 serial port on the rear panel.

The LED's on the front panel indicate which of the four channels is selected.

The switch has a single power supply, which can be monitored via dry contact alarm port on the rear panel for PSU failure.



Rear View of Model 23113-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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Technical specifications and operating parameters

RF Parameters			
Capacity	4 x 1		
Frequency Range	350-10,000 MHz (C-band)		
Insertion Loss	350-3500MHz	6 dB \pm 1 dB nominal, mean	
	6.5-10GHz	10 dB \pm 2 dB	
	5.8-6.5GHz	6 dB \pm 1 dB	
Flatness	350-3500MHz	\pm 2 dB	
	6.5-10GHz	\pm 2 dB	
	5.8-6.5GHz	\pm 1 dB	
Isolation	I/P-O/P	30 dB	Typically 50 dB at 5.5 GHz
	I/P-I/P	30 dB	Typically 50 dB at 5.5 GHz
1 dB Compression	+24 dBm		
Input Return Loss	10 dB typical		
Output Return Loss	10 dB typical		

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

System Control	
Display	Front panel LED's for channel selection
Alarms	Dry contact alarm port on rear panel for PSU failure

Physical	
Input Connector	N-type
Input Impedance	50 Ω
Output Connector	N-type
Output Impedance	50 Ω
Dimensions	1U high x 350mm deep x 19" wide
Weight	4 kg
Colour	White 00-E-55 semi-gloss

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

Key Features	
Remote Control	
Dual redundant power supplies	
Housed in a compact 1U high shelf	
Dry contact alarm port for PSU failure	

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