



**Model Number: C1601S1UIA-22265-B7B7**

# 16-way Single IF Active LD Series Combiner



Front View of Model C1601S1UIA-22265-B7B7

This compact 16-way active combiner is designed to provide affordable IF combining in a compact 1U chassis. Covering the frequency range of IF, 20-200MHz, this shelf also offers dual redundant power supplies, with a single IEC mains inlet.

Monitoring of the power supplies can be done via a dry contact alarm port on the rear panel, and the front panel LED's provide a visual status.



Rear View of Model C1601S1UIA-22265-B7B7

This unit has 75 ohm BNC RF connectors but a variety of impedance and connector types are available (model numbers will vary).





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RF Engineering  
and Custom Build

## Technical specifications and operating parameters

RF Parameters		
Capacity	16- way	
Frequency Range	20-200 MHz (IF)	
Gain	0 dB $\pm$ 1 dB nominal, mean	
Flatness	20-200MHz	$\pm$ 0.4 dB typical
	Any 36MHz. band	$\pm$ 0.2 dB
1dB compression	+ 10 dBm	
Noise Figure	22 dB	
Input Return Loss	15 dB typical	
Output Return Loss	15 dB typical	

System Control	
Display	Front Panel LED's for Power & PSU status

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

Physical	
Input Connector	BNC
Input Impedance	75 $\Omega$
Output Connector	BNC
Output Impedance	75 $\Omega$
Dimensions	1U high x 200mm deep x 19" wide
Weight	8 kg
Colour	White 00-E-55 semi-gloss (Front panel)

Power	
AC Power	85-264V AC (50/60Hz), Fused 2A
LNB Power	None
PSU	Dual Redundant
Hot-swap PSU	No

Key Features	
Housed in a compact 1U high rack	
Dual redundant power supplies	
Front Panel LED's for LNB & PSU status	

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