



**Model Number: D0116S1UIA-22248-B7B7**

# 16-way Single IF Active Splitter

With Dual Redundant Amplifiers



This single 16-way IF active splitter benefits from automatic, cold standby, dual redundant amplifiers on the input providing unity gain, with switch-over based on amplifier current monitoring.

Front View of Model D0116S1UIA-22248-B7B7

The splitter is fitted with dual redundant power supplies. Front panel LEDs signify amplifier and power supply status, and monitoring can also be done via a dry contact alarm port on the rear panel.



Rear View of Model D0116S1UIA-22248-B7B7

This particular unit has 75 ohm BNC connectors, but a range of connector types and impedances 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 $\pm$ 2 dB mean across band	
Flatness	20-200MHz	$\pm$ 1.5 dB
	Over any 36MHz	$\pm$ 0.5 dB
1dB Compression	+3 dBm	
Noise Figure	12 dB	
Amplifier Redundancy	1-to-1 redundant, cold standby with amplifier bias sensing	
Input Return Loss	10 dB (15 dB typical)	
Output Return Loss	12 dB (15 dB typical)	

System Control	
Display	Front Panel LED's for PSU & Amplifier status
Alarms	Dry contact alarm port on rear panel for PSU & Amplifier failure

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

Physical	
Connectors	BNC
Impedance	75 $\Omega$
Dimensions	1U high x 350mm 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

Dual redundant amplifiers

Dual redundant power supplies

LED's for PSU and amplifier monitoring

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