



Model Number: D0116S1UIA-22248-S5S5

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-S5S5

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 Similar Model

This particular unit has 50 ohm SMA connectors, but a range of connector types and impedances are available (model numbers will vary).





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16-way Single IF Active Splitter with dual redundant amplifiers

RF Engineering and Custom Build

Technical specifications and operating parameters

PRELIMINARY SPECIFICATIONS

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	
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)	

Physical	
Input Connector	SMA
Input Impedance	50 Ω
Output Connector	SMA
Output Impedance	50 Ω
Dimensions	1U high x 350mm deep x 19" wide
Weight	8 kg
Colour	White 00-E-55 semi-gloss (Front panel)

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

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

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

Key Features	
Dual redundant amplifiers	
Dual redundant power supplies	
LED's for PSU and amplifier monitoring	

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