



Model Number: C1601S2UIA-22249-S5S5

16-way Single IF Active Combiner

with dual redundant amplifiers



This single 16-way IF active combiner benefits from automatic, cold standby, dual redundant amplifiers on the input which provides unity gain, and dual redundant power supplies for reliability in service. An LED on the front panel signifies amplifier status.

Front View of Model C1601S2UIA-22249-S5S5

Front panel LED's indicate the power supplies and amplifier status. Monitoring can also be done via a dry contact alarm port on the rear.



Rear View of Similar Model

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





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16-way Single IF Active Combiner 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 nominal, mean	
Flatness	850-2150 MHz	\pm 1.0 dB
	Any 36 MHz band	\pm 0.5 dB
1 dB Compression	0 dBm	
Noise Figure	15 dB	
Input Return Loss	15 dB typical	
Output Return Loss	15 dB typical	

Physical (Chassis)	
Input Connector	SMA
Input Impedance	50 Ω
Output Connector	SMA
Output Impedance	50 Ω
Dimensions	2U high x 350mm deep x 19" wide
Weight	8 kg
Colour	White 00-E-55 semi-gloss (Front panel)

System Control (Chassis)	
Display	Front Panel LED's for power,
Alarms	Dry contact alarm for PSU &

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

Environmental (Chassis)	
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 PSU's	
Automatic, cold standby, dual redundant amplifiers	
LED's on the front panel to monitor status of PSU's and Amplifiers	
Alarm contact for external monitoring	

ETL SYSTEMS LIMITED
Coldwell Radio Station
Madley
Hereford
England HR2 9NE

TELEPHONE
+44 (0)1981 259020
EMAIL
info@etlsystems.com

FACSIMILE
+44 (0)1981 259021
WEB
www.etlsystems.com

