



Model Number: C0801S1ULA-22251-xxxx

8-way Single L-band Active Combiner

with DC & 10MHz Pass



This single 8-way L-band active combiner is housed in a 1U shelf and passes DC and 10MHz from the modem to the common port via input port 1.

Front View of Model C0801S1ULA-22251-xxxx

The unit benefits from dual redundant power supplies, which are monitored by LED's on the front panel and via a dry contact alarm port on the rear.



Rear View of Model C0801S1ULA-22251-N5N5

The combiner is available in a variety of impedances and connector types (model number will vary).





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RF Engineering and Custom Build

Technical specifications and operating parameters

RF Parameters						
Capacity	8-way					
Frequency Range	850-2150 MHz (L-band)					
RF Connectors	50Ω SMA	50Ω BNC	50Ω N-type	75Ω BNC	75Ω F-type	
Input Return Loss	18 dB typ	16 dB typ	18 dB typ	14 dB typ	14 dB typ	
	15 dB min	12 dB min	12 dB min	12 dB min	10 dB min	
Output Return Loss	18 dB typ	16 dB typ	15 dB typ	14 dB typ	14 dB typ	
	15 dB min	12 dB min	12 dB min	12 dB min	10 dB min	
Flatness	850-2150MHz	± 1.0 dB	± 1.0 dB	± 1.0 dB	± 1.5 dB	± 1.5 dB
		± 0.7 dB typical				
	Any 36 MHz	± 0.5 dB	± 0.5 dB	± 0.5 dB	± 0.75 dB	± 0.75 dB
± 0.3 dB typical						
Gain (Typical mean across band)	0±1 dB	0±1 dB	0±1 dB	0±1 dB	0±1 dB	
1 dB Compression	+10 dBm output					
Noise Figure	19 dB					
10 MHz pass	<1 dB insertion loss		Port 1 to the common port only.			
DC Pass	Yes		Port 1 to the common port only. All other ports DC blocked			

Physical	
Dimensions	1U high x 350mm deep x 19" wide
Weight	6 kg
Colour	White 00-E-55 semi-gloss (Front panel)

System Control	
Display	Front panel LED's for Power and PSU status
Alarms	PSU dry contact changeover (LEDs on front)

Power	
AC Power	85-264V AC (50/60Hz), Fused 2A
LNB Power	None
PSU	Dual redundant - diode OR
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 PSU's	
LED's for PSU monitoring	
DC & 10MHz Pass	

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

