



Model Number: C0401S1ULA-xxxx

RF Engineering
and Custom Build

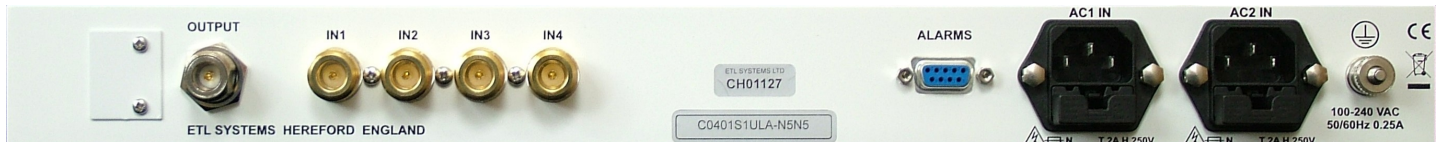
4-way Single L-band Active Combiner



This single 4-way active L-band combiner operates over the frequency range of 850-2150 MHz and is housed in a 1U high, 19" rack mountable shelf.

Front View of Model C0401S1ULA-xxxx

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



Rear view of Model C0401S1ULA-N5N5 (with 50 ohm N-type connectors)

This unit is available in a variety of impedances and connector types (model numbers will vary).

Key Features

- 4-way L-band (850-2150 MHz) active combiner
- Reliability in service with dual redundant power supplies
- Front panel LED's for PSU status





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4-way single L-band active combiner

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Technical specifications and operating parameters

RF Parameters

Capacity	4-way					
Frequency Range	850-2150 MHz (L-band)					
RF Connectors	50Ω SMA	50Ω N-type	50Ω BNC	75Ω BNC	75Ω F-type	
Gain	0 ± 1 dB	0 ± 1 dB	0 ± 1.5 dB	0 ± 1.5 dB	0 ± 1.5 dB	
Flatness	850-2150MHz	±0.5 dB	±0.5 dB	±0.75 dB	±1.25 dB	±1 dB
	Any 36MHz	±0.25 dB	±0.25 dB	±0.45 dB	±0.75 dB	±0.5 dB
Input Return Loss	Typical	18 dB	18 dB	16 dB	14 dB	14 dB
	Minimum	14 dB	14 dB	12 dB	9 dB	9 dB
Output Return Loss	Typical	18 dB	18 dB	16 dB	14 dB	14 dB
	Minimum	14 dB	14 dB	12 dB	9 dB	9 dB
Isolation	23 dB typical					
Noise Figure	15 dB typical					
1 dB Gain Compression Point	15 dBm typical			12 dBm minimum		

Power

AC Power	85-264Vac 50/60 Hz	Fused 2A
AC Consumption	7W	Total AC input
BUC Power	None	
PSU	Dual Redundant	Diode OR
Hot-swap PSU	N/A	

Physical

Dimensions	1U high x 350mm deep x 19" wide
Weight	4kg
Colour	White 00-E-55 semi-gloss

Environmental

Operating temperature	0 to 45°C
Location	Indoor use only
Storage temperature	-20°C to +75°C
Humidity	20-90% non-condensing

System Control

Alarms	Dry Contact alarms for PSU failure
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Key Features

4-way active combiner housed in a 19" rack mountable shelf
Reliability in service with dual redundant power supplies

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

