ETL Systems
Excelling in RF Engineering

Model Number: D0104D1UC1A-22408-S5S5

Dual 4-way C-band Active Splitter

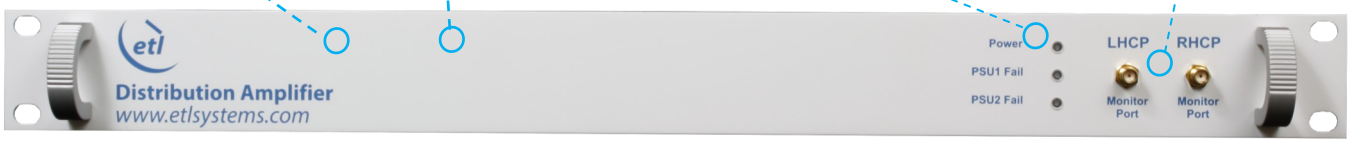
Typical applications:
- Satellite operators, VSAT, teleports and broadcasters.
- IPTV and DTH headend content distribution.
- High resilience RF distribution where optimum satellite signal quality is required.
- Redundancy applications for remote satellite teleports.
- SNG and Outside Broadcast Trucks.

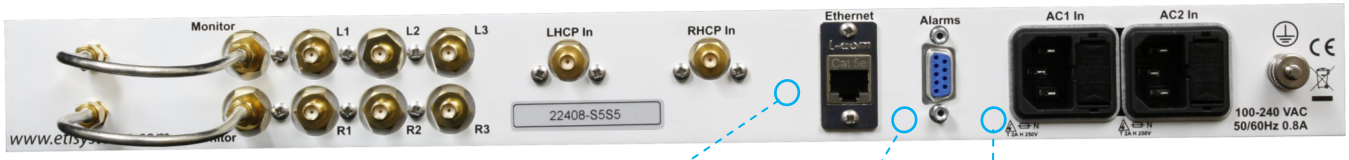
Compact 2x4-way splitter modules housed in a 1U high chassis

3.4 - 4.8 GHz operating frequency range.

Local monitoring via front panel status LED's

Signal monitoring optional via the 4th output port on the front or rear panel





Remote monitoring via RJ45 Ethernet port with SNMP & web browser interface

Dry contact alarm port power supply status

Resilience from dual redundant power supplies

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Technical specifications and operating parameters

RF Parameters		
Capacity	2 off 4-way active splitters	
Frequency Range	3.4 to 4.8 GHz (C-band)	
Gain	0 ± 1.5 dB minimum	Mean gain within the operational bandwidth
Gain Flatness (Full band)	± 2.0 dB	
Input Return Loss	12 dB typical	10 dB worst case
Output Return Loss	15 dB typical	10 dB worst case
Noise Figure	10 dB maximum	
Isolation	18 dB typical	Between any 2 output ports
1dB GCP	+5 dBm minimum	
OIP3	+15 dBm minimum	Output 3rd order intercept point
MTBF	>117,000 hours	

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

Power		
PSU Power	85-264Vac 50-60Hz	Fused 2A
AC Consumption	10W	Total AC input
LNB Power	None	
PSU	Dual redundant	Diode OR. Not hot-swap. Dual IEC inlet
Hot-swap PSU	No	
Alarms	Dry contact for PSU failure	

Physical		
Input & output RF connector	SMA	All ports are DC blocked. Common ports and 3 off the output ports of each splitter are on the rear panel, 4th output port is on the front panel.
Input & output impedance	50Ω	
Dimensions	1U high x 350mm deep x 19" wide	
Weight	4 kg	
Colour	White 00-E-55 semi-gloss	

System Control	
Remote control & monitoring	Via RJ45 Ethernet port with SNMP and Web browser interface. PSU status monitor and alarms and temperature monitoring.

Note 1: The specification is subject to regular reviews and will be updated from time to time as part of our continuing product development and improved spec accuracy.
Note 2: Operation beyond the quoted limits stated above may cause instantaneous and permanent damage.

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