



ETL Systems
Excelling in RF Engineering

Model Number:
D0116S2ULA-22438-XXXX

16-way Single L-band Active Splitter

with 0-20dB variable gain

Typical applications:

- High resilience RF distribution
- Optimum satellite signal quality



Variable gain
to balance input
signals



Hot-Swap Variable
gain amplifier



850 to 2150MHz
operating frequency
range.



Monitoring via LEDs to
indicate amplifier and power
supply status



Compact
housed in a 2U
high chassis



Resilience
from dual
redundant
power supplies



**Remote control &
monitoring** via RJ45
Ethernet port with SNMP &
web browser access



**Dry contact alarm port &
serial communications**
for power supply status





Technical specifications and operating parameters

RF Parameters						
Capacity		16 way Splitter				
Frequency Range		850 to 2150 MHz (L-band)				
RF Connectors		50Ω SMA	50Ω N-Type	50Ω BNC	75Ω BNC	75Ω F-type
Gain Flatness	Full band	±1.0 dB	±1.0 dB	±1.0 dB	±1.5 dB	±1.5 dB
	Any 36MHz	±0.25 dB	±0.25 dB	±0.25 dB	±0.3 dB	±0.3 dB
Input Return Loss	Typical	15 dB	15 dB	14 dB	10 dB	10 dB
	Minimum	12 dB	12 dB	11 dB	8 dB	8 dB
Output Return Loss	Typical	18 dB	18 dB	16 dB	12 dB	10 dB
	Minimum	12 dB	12 dB	12 dB	8 dB	8 dB
Gain		0-20±1.0 Mean across band				
Isolation	Typical	28dB Minimum between any two output ports				
	Minimum	24 dB Minimum between any two output ports				
Amplifier Redundancy		1:1 Dual redundant amplifier (Cold redundancy & current sensing)				
Noise Figure		17 dB				
Output 1dB GCP		2 dBm				
Input RF Power		16 dBm Absolute maximum				

Preliminary Specifications

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.

Environmental	
Operating temperature	0 to 50°C
Location	Indoor use only
Storage temperature	-20°C to +75°C
Humidity	85% non-condensing

Power	
PSU Power	85-264Vac 50-60Hz (Fused 2A)
AC Consumption	<20W (At steady state)
LNB Power	None
PSU	Dual redundant PSUs with dual IEC inlets

System Control	
Display	Front panel Tri colour LEDs to indicate amplifier and unit status, red LEDs to indicate PSU failure
Remote Control & Monitoring	RJ45 Ethernet port 10/100 Base T. TCP/IP, SNMP & Web browser access.
Alarms	(Dry contact, change-over via 9w D-type) PSU1 & 2 Status, Full status & alarms also available via Ethernet interface

Physical	
Dimensions	2U high x 350mm deep x 19" wide
Weight	8kg
Colour	White 00-E-55 semi-gloss