ETL Systems
Excelling in RF Engineering

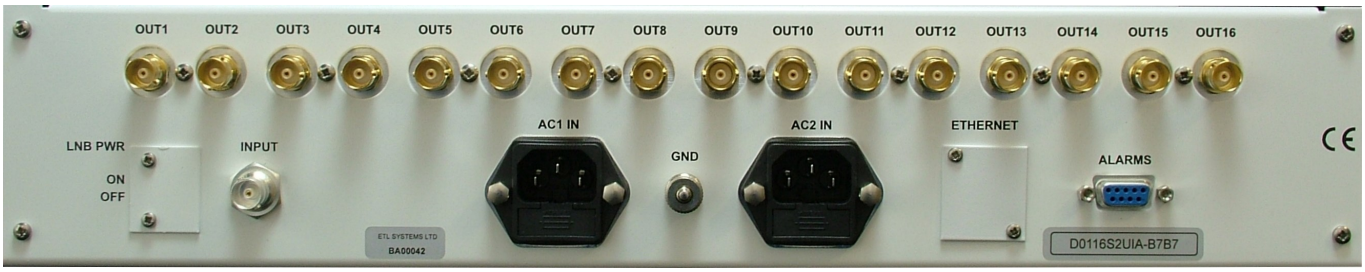
Model Number:
D0116S2UIA-22427-XXXX

10MHz Distribution Amplifier -16 Port

Front View of Model D0116S2UIA-22427-xxxx

This 16 port 10MHz distribution amplifier is designed to distribute a low noise 10MHz frequency reference and is housed in a 2U high, 19"shelf.

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



Rear View of Model D0116S2UIA-22427-B7B7

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

Typical applications:

- To distribute a low noise 10MHz frequency reference for multiple applications such as LNBs, BUCs and spectrum analysers.

Benefits & features:

- Reliability in service with dual redundant power supplies
- Front Panel status LED's for monitoring
- Alarms for PSU failure

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Technical specifications and operating parameters

RF Parameters						
Capacity		16 port				
Frequency Range		5-20 MHz (IF)				
Connectors and Impedances		50Ω SMA	50Ω N-Type	50Ω BNC	75Ω BNC	75Ω F-Type
Gain (at 10MHz)		2±0.5 dB	2±0.5 dB	2±0.5 dB	2±0.5 dB	2±0.5 dB
Gain Flatness	Full Band	±1.2 dB	±1.2 dB	±1.2 dB	±1.5 dB	±1.5 dB
Input Return Loss	Typical	18 dB	18 dB	18 dB	14 dB	14 dB
	Minimum	15 dB	15 dB	15 dB	12 dB	10 dB
Output Return Loss	Typical	18 dB	18 dB	18 dB	14 dB	14 dB
	Minimum	15 dB	15 dB	15 dB	12 dB	10 dB
Isolation		25 dB		Minimum between only 2 output ports		
Noise Figure		12 dB		Typical		
1dB GCP		5 dBm				
OIP3		15 dBm		3rd order intercept point		
MTBF		>500,000 hrs				

Environmental		
Operating temperature	0 to 45˚C	
Location	Indoor use only	
Storage temperature	-20˚C to +75˚C	
Humidity	20 to 85% non-condensing	Relative humidity
Altitude	10,000 feet AMSL	

Physical	
Input Connector	BNC/ F-type/N-type/SMA
Input Impedance	50Ω or 75Ω
Output Connector	BNC/ F-type/N-type/SMA
Output Impedance	50Ω or 75Ω
Dimensions	2U high x 350mm deep x 19” wide
Weight	8 kg
Colour	White 00-E-55 semi-gloss (Front panel)

Power		
AC Consumption	5W	
Input RF Power	16 dBm	
PSU Power	85-264Vac 50/60Hz	Fused 2A
PSU Redundancy	Dual redundant and alarmed	Diode OR
Hot-swap PSU	No	
Alarms	Dry Contact (D-Type)	PSU Status

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