



ETL Systems

Excelling in RF Engineering

Model Number:

2774-xxxx

32 Port LNB Power Supply

Unit with dual redundant hot-swap power supply modules

Typical applications:

- Large Satellite teleports with multiple dishes.



850 - 2150 MHz operating frequency range



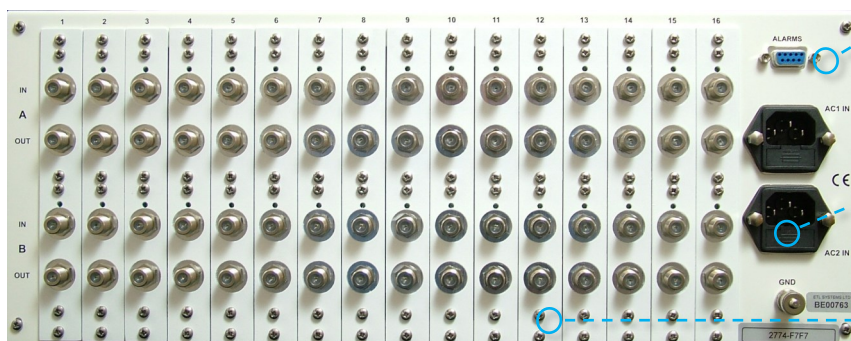
LNB Power 18V, 500mA



Local monitoring via front panel status LEDs



Dry contact alarm port for power supply status



Resilience from dual redundant, hot-swap power supplies



DC for up to 32 LNB's via individual DC inject modules





Technical specifications and operating parameters

RF Parameters						
Capacity	32 channel LNB PSU					
Frequency Range	850 to 2150MHz (L-band)					
Input & Output RF Connectors, all ports DC blocked	50Ω SMA	50Ω N-type	50Ω BNC	75Ω BNC	75Ω F-type	
Insertion Loss, Typical, mean across band	<0.5 dB	<0.8 dB	<0.8 dB	<1 dB	<1.5 dB	
Gain Flatness	Full band	±1.0 dB	±1.0 dB	±1.0 dB	±1.0 dB	±1.0 dB
	Any 36MHz	±0.5 dB	±0.5 dB	±0.5 dB	±0.5 dB	±0.5 dB
Input Return Loss	Typical	18 dB	18 dB	16 dB	14 dB	14 dB
	Minimum	15 dB	15 dB	14 dB	10 dB	10 dB
Output Return Loss	Typical	18 dB	18 dB	16 dB	14 dB	14 dB
	Minimum	15 dB	15 dB	14 dB	10 dB	10 dB
Input RF Power	10 dBm			Absolute maximum		

System Control	
Local Monitoring	Via Front Panel LEDs for power supply status
Alarms	Dry contact (D-type) for PSU

Environmental	
Operating temperature	0 to 45°C
Location	Indoor use only
Storage temperature	-20°C to +75°C
Humidity	20 to 90% non-condensing
Altitude	10,000 feet Above Mean Sea Level (AMSL)

Power		
PSU Power	85-264Vac 50-60Hz	Fused 3.15A
AC Consumption	300W	Max. consumption at steady state, LNB fully loaded
LNB Power	18Vdc, 0.5A Max per channel	Via RF IN port
PSU	Dual redundant	Either PSU is rated to power the matrix. Dual mains inlet
Hot-swap PSU	Yes	

Physical	
Dimensions	4U high x 455mm deep x 19" wide
Weight	10 kg
Colour	White 00-E-55 semi-gloss

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.

