



Single LNB Power Supply with switchable 13/18V & 22KHz tone, external 10MHz injection, current monitoring, local & remote control

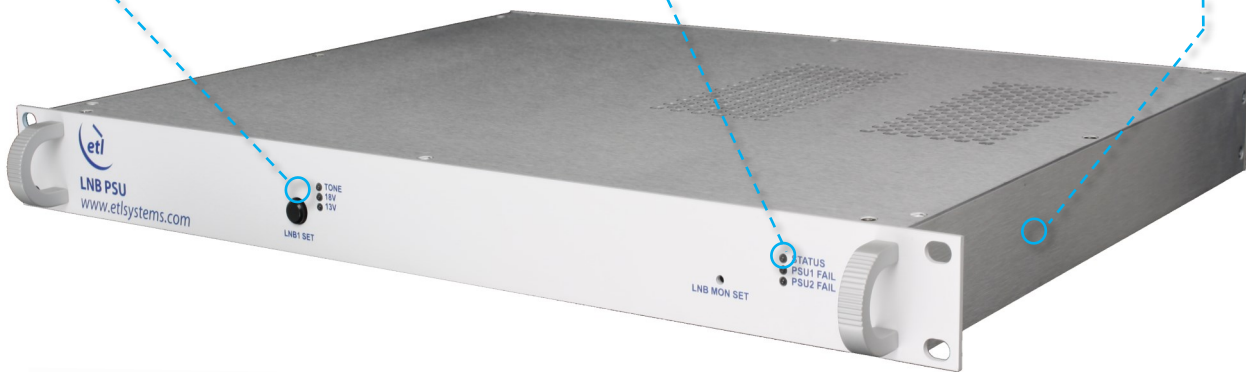
Typical applications:

- Large Satellite teleports with multiple dishes.
- Satellite dishes with single LNB's fitted.

Local control & monitoring with switchable 13/18V & 22KHz tone

10MHz Reference Signal can be passed from an external source

850 - 2150 MHz operating frequency range



Compact housed in a 1U high chassis

Resilience from dual redundant power supplies

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

Remote control & monitoring via Serial (RS232 or RS485/485) and Ethernet (RJ45)





Technical specifications and operating parameters

RF Parameters						
Capacity	1 Channel					
Frequency Range	850 to 2150MHz (L-Band)					
RF Connectors	50Ω SMA	50Ω N-type	50Ω BNC	75Ω BNC	75Ω F-type	
Insertion Loss	< 1 dB	< 1 dB	< 1 dB	< 1.2 dB	< 1.2 dB	
Flatness	±0.3 dB	±0.3 dB	±0.3 dB	±0.8 dB	±0.8 dB	
Input Return Loss	Typical	15 dB	14 dB	16 dB	10 dB	9 dB
	Minimum	12 dB	12 dB	12 dB	6 dB	6 dB
Output Return Loss	Typical	15 dB	14 dB	16 dB	10 dB	9 dB
	Minimum	12 dB	12 dB	12 dB	6 dB	6 dB
Isolation	70 dB typical Minimum between each channel					
10MHz Pass	10MHz injection Port to Input port 0.25 dB typical insertion loss					

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 AMSL

Power		
PSU Power	100-240 Vac 50-60Hz	Fused 2A
PSU	Dual redundant	Diode
Hot-swap PSU	Yes	
AC Consumption	22W Full Load 12W No Load	Max. consumption at steady state
LNB Power	13/18 V dc up to 0.5A Max & 22kHz tone via Input ports	
Input RF Power	16 dBm absolute maximum	

System Control		
Remote Control & Monitoring	Serial (RS232 or RS422/485) and Ethernet (RJ45) on rear Panel	Enables voltage selection and current monitoring of each LNB and Alarm status.
Alarms	Dry contact (D-type) & Ethernet (RJ45) for PSU & Amplifier status	

Physical	
Dimensions	1U high x 350mm deep x 19" wide
Weight	3.5 kg
Colour	RAL9003 - White (Semi-Matte)

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.

