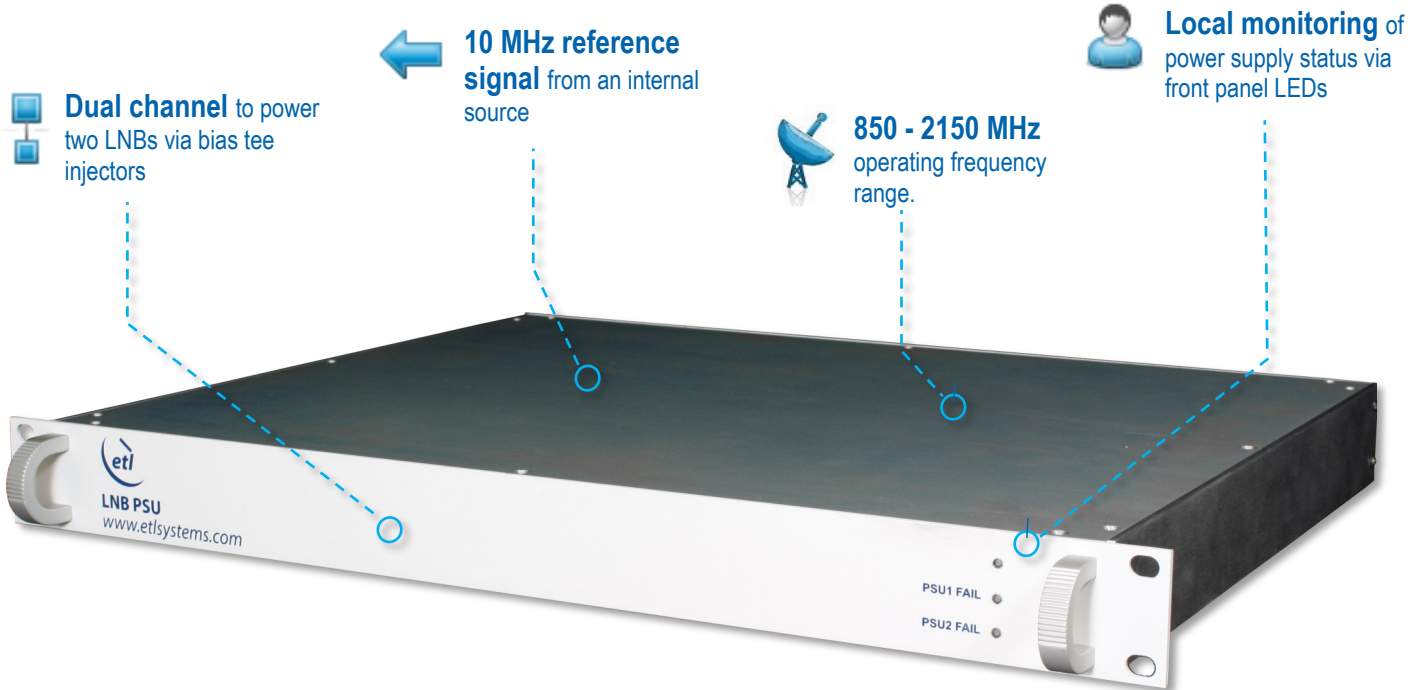




Dual 18V LNB Power Supply with internal 10 MHz source

Typical applications:

- Satellite teleports between satellite modems & LNB
- Feed DC power & a 10MHz reference signal to 2 LNBs



Compact housed in a 1U high chassis

Dry contact alarm port for power supply status

Resilience from dual redundant power supplies





Technical specifications and operating parameters

RF Parameters						
Frequency Range	850-2150 MHz (L-band)					
10 MHz Port	50Ω BNC					
RF Connectors	50Ω SMA	50Ω N-Type	50Ω BNC	75Ω BNC	75Ω F-Type	
Insertion Loss	0.75±0.5 dB	0.75±0.5 dB	1.0±0.5 dB	1.0±0.5 dB	1.0±0.5 dB	
Flatness	±1.0 dB	±1.0 dB	±1.0 dB	±1.25 dB	±1.25 dB	
Input Return Loss	Typical	15 dB	15 dB	12 dB	12 dB	12 dB
	Minimum	12 dB	10 dB	8 dB	8 dB	8 dB
Output Return Loss	Typical	15 dB	15 dB	12 dB	12 dB	12 dB
	Minimum	12 dB	10 dB	8 dB	8 dB	8 dB
10 MHz heat stability	Internal source is OCXO type.					
Reference Source Ageing	Per year	±5x10 ⁻⁸				
	Per day	±5x10 ⁻¹⁰				
Reference Source Temperature Stability	±10-7 0-50°C					
Reference Source Phase Noise	1Hz	<85 dBc/Hz				
	10Hz	<115 dBc/Hz				
	100Hz	<140 dBc/Hz				
	1000Hz	<150 dBc/Hz				
	10000Hz	<155 dBc/Hz				
10 MHz ref source	U-link on rear panel to select internal / external. The 10 MHz reference is injected onto the common L-band port.		Two 50 ohm BNC's on rear panel for 10 MHz external IN and internal OUT, with a U-link supplied. There is no 10 MHz injection if the U-link is removed and the port is terminated.			
10 MHz source output level	+ 5 dBm nominal					
10 MHz source accuracy	Better than 1 ppm					

Power		
PSU Power	85-264Vac 50/60Hz	Fused 2A
AC Consumption	24W	@max. LNB load
LNB Power	18V nominal, 500mA	
PSU	Dual redundant and Alarmed	Diode OR.

System Control	
Local Monitoring	Via front panel status LEDs
Alarms	Dry contact (D-type) for PSU status

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	Above Mean Sea Level

Physical	
Dimensions	1U high x 350mm deep x 19" wide
Weight	3.6 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.

