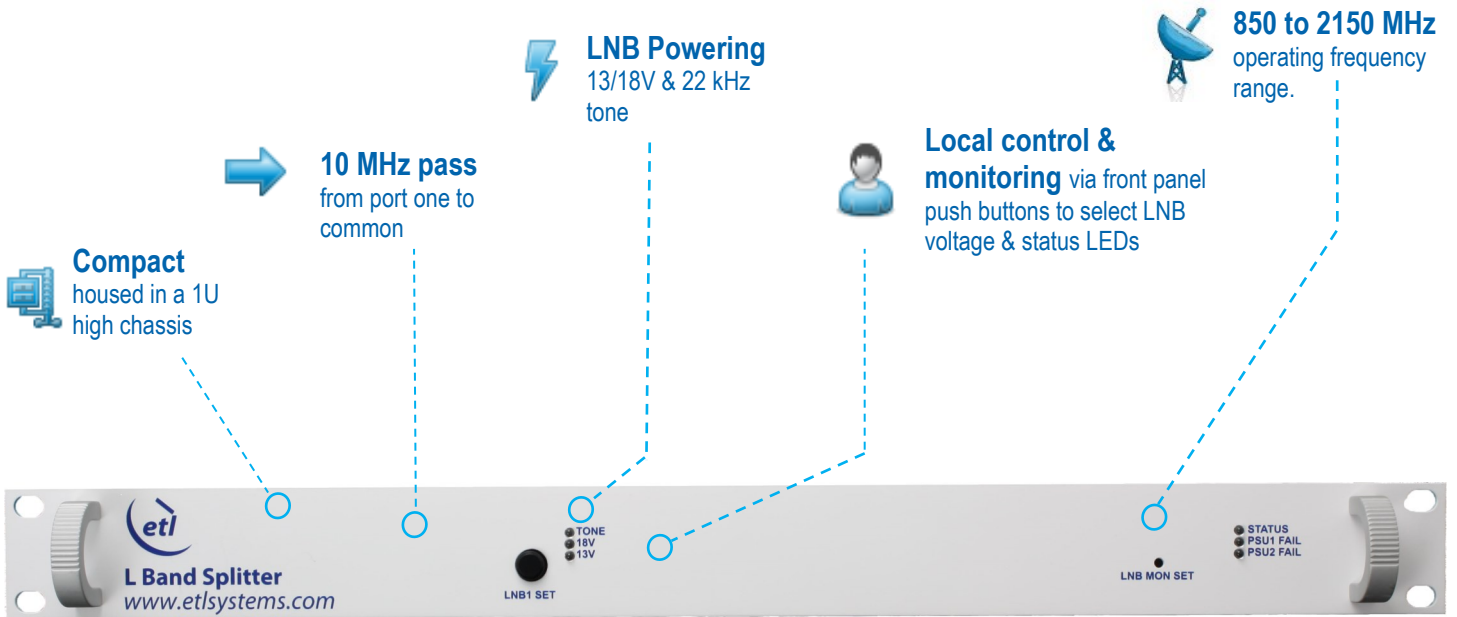




4-Way Single L-Band Active Splitter with 13/18V LNB Powering, 22 kHz tone, 10 MHz pass & LNB Current Monitoring

Typical applications:

- Satellite operators, VSAT, teleports, and broadcasters
- High resilience RF distribution where optimum satellite signal quality is required



Resilience
from dual redundant hot-swappable power supplies



Dry contact alarm port
for PSU failure



Remote control & monitoring via RJ45 Ethernet port with SNMP, web browser interface & RS232/485 Serial port



4-way Single L-band Active Splitter with 13/18V LNB Powering, 22 kHz tone, 10MHz pass & LNB Current Monitoring

Technical specifications and operating parameters

RF Parameters						
Capacity	Single 4-Way Splitter					
Frequency Range	850 to 2150MHz (L-band)					
10 MHz pass	From port 1 to common with <2dB insertion loss on 10 MHz		Other output ports 10 MHz blocked minimum 20 dB rejection			
RF Connectors	50Ω SMA	50Ω N-type	50Ω BNC	75Ω BNC	75Ω F-type	
Insertion Gain	1±1.5 dB	1±1.5 dB	1±1.5 dB	1±1.5 dB	1±1.5 dB	
Gain Flatness	Full band	±1.0 dB	±1.0 dB	±1.0 dB	±1.5 dB	±1.5 dB
	Any 36 MHz	±0.5 dB	±0.5 dB	±0.5 dB	±0.5 dB	±0.5 dB
Input Return Loss	Typical	16 dB	16 dB	14 dB	10 dB	10 dB
	Minimum	9 dB	9 dB	8 dB	8 dB	8 dB
Output Return Loss	Typical	18 dB	18 dB	18 dB	12 dB	12 dB
	Minimum	14 dB	14 dB	14 dB	10 dB	10 dB
1dB GCP	5 dBm			Typical 1dB Gain Compression point, output power		
Noise Figure	7dB			Typical		
Isolation	>20dB			Maximum, between any two output ports		
Input RF Power	16 dBm			Absolute maximum		

Environmental	
Operating temperature	0 to 45°C
Location	Indoor use only
Storage temperature	-20°C to +75°C
Humidity	20 to 90% non-condensing

Power		
PSU Power	85-264Vac 50-60Hz	Fused 2A
AC Consumption	30W	Max. consumption at steady state
LNB Power	13/18V _{DC} nominal, 22kHz tone on/off, 0.5A via common (RF IN) ports	Each channel fused and monitored
PSU	Dual redundant and alarmed	Diode OR. Hot Swap
MTBF (hours)	469,934	

System Control		
Local Control	Via Front Panel push buttons for control of LNB voltage	Alarm status LED's on front panel
Remote Control	Via RS232/485 serial port and RJ45 Ethernet port 10/100 Base T. TCP/IP, SNMP & Web browser interface.	Enables selection of LNB voltage and provides monitoring of LNB current and alarms status
Alarms	Dry contact (D-type) & Ethernet (RJ45)	PSU Failure and low/high LNB Current

Physical	
Dimensions	1U high x 350mm deep x 19" wide
Weight	4 kg
Colour	White 00-E-55 semi-gloss

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.



Esatcom Inc.
www.esatcom.com
Tel: 718.276.0800
Email: sales@esatcom.com

