



Model Number: 2745A-B5B5

RF Engineering
and Custom Build

16 Port LNB Power Supply Unit

With current monitoring (via RS232 serial port)

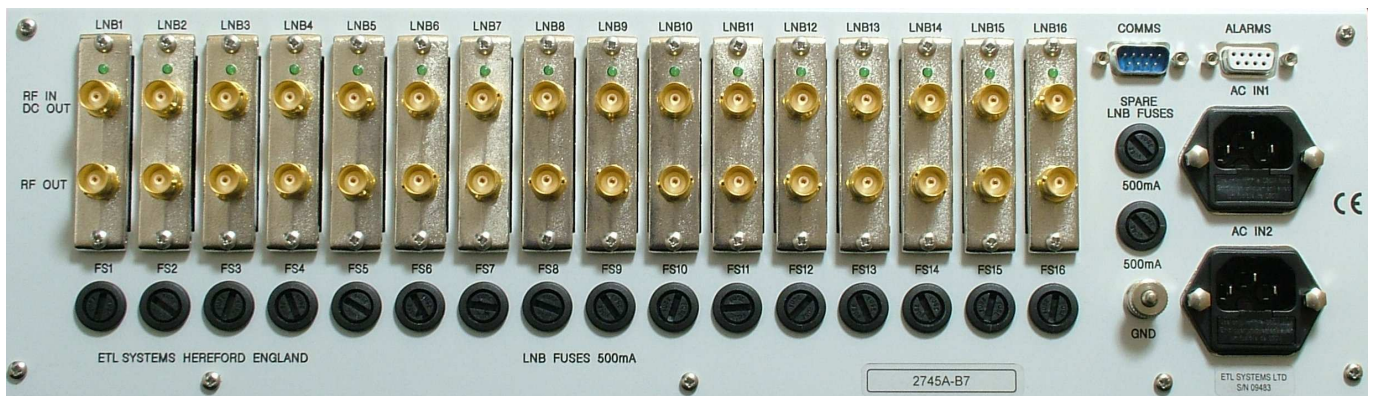


Front View of Model 2745A-B5B5

This power supply unit is designed to supply DC injection for up to 16 LNB's, via individual DC inject modules on the rear panel which provide a fused supply at 500mA, 18V nominal.

Loop through connections are provided to allow connection to the LNBs on the top row of connections and provide a DC blocked output on the lower row.

The unit benefits from dual redundant hot-swap power supplies for reliability in service. Front panel LED's provide a visual status of the power supplies and operation of the 16 individual LNB current feeds. A dry contact alarm port is supplied for external current monitoring.



Rear View of Model 2745A with 75 ohm BNC connectors

This unit is supplied with 50 ohm BNC connectors, but a range of connector types and impedances are available (model numbers will vary).





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Technical specifications and operating parameters

PRELIMINARY SPECIFICATIONS

RF Parameters	
Capacity	16 individual DC inject modules (for up to 16 LNB's)
Frequency Range	850-2150 MHz (L-band)
Insertion Loss	1 dB nominal
Flatness	850-2150MHz ± 0.75 dB
Input Return Loss	>12 dB typical
Output Return Loss	>12 dB typical
System Control	
Display	Front panel LEDs for PSU & LNB Supply status
Alarms	Dry Contact Alarm Port on rear panel for current monitoring
Environmental	
Operating temperature	0 to 45°C
Location	Indoor use only
Storage temperature	-20°C to +75°C
Humidity	85% non-condensing
Physical	
Input Connector	BNC
Input Impedance	50Ω
Output Connector	BNC
Output Impedance	50Ω
Dimensions	3U high x 350mm deep x 19" wide
Weight	12kg
Colour	White 00-E-55 semi-gloss (Front panel)
Power	
AC Power	85-264V AC (50/60Hz) Fused 2A
LNB Power	18V nominal, 500mA max per channel
PSU	Dual redundant
Hot-swap PSU	Yes
Key Features	
Hot-swap PSU modules	
Dry contact alarm port for current monitoring and PSU failure	
LEDs for PSU monitoring	

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