

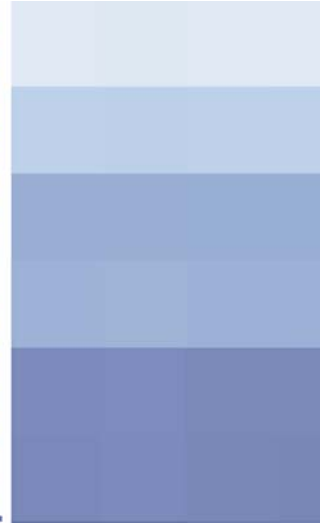


## ***Equalised 16-Way L-band Splitter (or Divider)***

This unit contains an ETL 16-way active splitter. The unit has dual redundant power supplies and can be used to provide LNB powering (the LNB bias for each RF input port can be switched on and off from the rear panel). The unit has a dry contact alarm for PSU failure.

The power divider is available in a variety of 75 and 50 ohm impedances and connector types (model numbers will vary) and with single or dual power supplies. This particular unit has 50 ohm N-type RF-IN connectors and 50 ohm BNC RF-OUT connectors. It has dual redundant power supplies. Distribution amplifiers with higher levels of fixed gain and variable gain are also available.

product overview



### **Key features**

- 850–2150 MHz operating range
- 50 ohm N-type RF-IN connectors, 50 ohm BNC RF-OUT connectors
- Dual redundant PSU's
- Gain 0 dB  $\pm$  1 dB
- Flatness  $\pm$  1 dB over the bandwidth
- Input Return loss 12 dB typical
- Output Return loss 10dB typical
- Switchable (on/off) LNB Power

**Model**  
**D0116S2ULAN5B5-D8**

*satellite systems*

# Equalised 16-Way L-band Splitter - Technical Summary



FIG.1 Rear of similar 16 way splitter with N-type connectors

## Other information

- 85 to 264 VAC, 50/60Hz
- Dual redundant power supplies and dual mains inlets
- Dry contact alarm for PSU failure
- 2U high 350mm 19" shelf
- Colour – Light Grey RAL 7035.

**Model**  
**D0116S2ULAN5B5-D8**



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<u>Parameter</u>	<u>Model</u> <u>D0116S2ULAN5B5-D8</u>
Capacity	16-way
Frequency	850-2150 MHz
Impedance IN	50 Ω
RF Port IN	N-type
Impedance OUT	50 Ω
RF Port OUT	BNC
Insertion Gain	+0 dB nominal (± 1dB)
Flatness over 850 – 2150 MHz (typical)	±1 dB
Flatness over any 36 MHz	±0.35 dB
Input Return Loss	12 dB typical
Output Return Loss	10 dB typical
1dB Compression Point (input power)	0 dBm
LNB power	18V, 500mA per channel fused
Noise Figure	7dB

ETL Systems develop, design and manufacture specialist equipment for satellite ground stations. For a fuller description of the ETL product range, please see our website on [www.etlsystems.com](http://www.etlsystems.com). This range can be used as the basis to meet your specific demands.

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