4-way Single IF Active Splitter
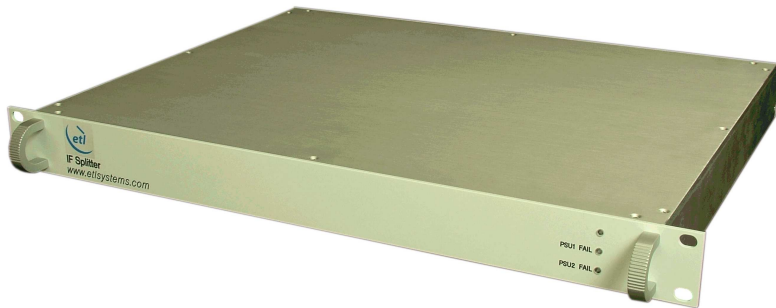

This single 4-way IF active splitter, covers the 20-200MHz frequency range, and is housed in a 1U high shelf. The unit benefits from dual redundant power supplies for reliability in service.

Front View of Model D0104S1UIA-B7B7

Monitoring of the dual redundant power supplies can be done via front panel LEDs which provide a visual status of the power supplies and via a dry contact alarm port on the rear panel.
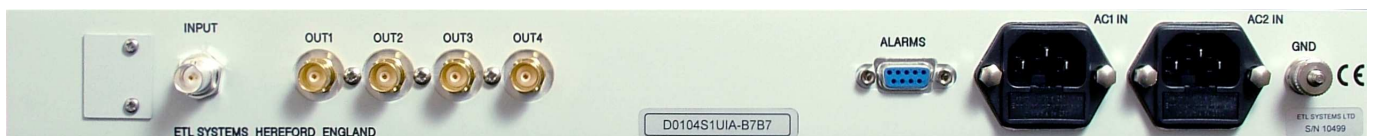
Rear View of Model D0104S1UIA-B7B7

This particular unit is supplied with 75 ohm BNC RF connectors, but is available in a variety of impedances and connector types (model numbers will vary).

Technical specifications and operating parameters

RF Parameters		
Capacity		4- way
Frequency Range		20-200 MHz (IF)
Gain		1.5 dB ± 1 dB nominal mean across band
Flatness	Over 20-200MHz	± 0.75 dB
	70±20MHz or 140±40MHz	± 0.5 dB
1dB Compression		+4 dBm
Noise Figure		10 dB
Input Return Loss		20 dB typical
Output Return Loss		20 dB typical

System Control	
Display	Front Panel LED's for Power & PSU status
Alarms	Dry contact alarm port on rear panel for PSU failure

Environmental	
Operating temperature	0 to 45˚C
Location	Indoor use only
Storage temperature	-20˚C to +75˚C
Humidity	85% non-condensing

Physical	
Input Connectors	BNC
Input Impedance	75Ω
Output Connectors	BNC
Output Impedance	75Ω
Dimensions	1U high x 350mm deep x 19'' wide
Weight	6 kg
Colour	White 00-E-55 semi-gloss (Front panel)

Power	
AC Power	85-264V AC (50/60Hz), Fused 2A
LNB Power	None
PSU	Dual Redundant
Hot-swap PSU	No

Key Features
Housed in a compact 1U high rack
Dual redundant power supplies
Front Panel LED's for Power & PSU status
Dry contact alarm port for PSU failure

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