



IF Equaliser Amplifier

This ETL IF equaliser amplifier can be used to balance cross-site IF feeds. It provides a nominal 10 dB gain, and also provides slope compensation.

The slope is adjustable from 0 dB to + 5 dB in 0.5 dB steps via a DIL switch on the rear of the unit. The unit also incorporates a variable attenuator (controlled via another DIL switch) to allow the gain to be maintained as the slope is varied. There is a single PSU and power status LED on the front panel. The unit is housed in a 1U 19" shelf.

This particular unit has 75Ω BNC connectors, but often variants are available. A 140 MHz version is also available.

product overview



Key features

- 50–90 MHz operating range
- Gain 10dB
- Variable slope compensation to +5dB
- Single PSU

Model 2537-B7

satellite systems

IF Equaliser Amplifier - Technical Summary



Rear view of 2537

<u>Parameter</u>	<u>Model 2537-B7</u>
Frequency	50-90 MHz
Gain	10 ± 1.5dB
Gain variation	± 0.25dB
Gain vs. freq slope	0-5dB, 0.5dB steps
Freq slope settings	11 x 0.5dB steps
Max slope	+5 ± 1.5dB
Min slope	+0 ± 0.2dB
Mid range	+2.5 ± 0.75dB
Noise figure	9dB
Return Loss	14dB typically
Impedance	75 ohm
RF connectors	BNC
Temperature range	0-40°C

Other information

- 85/264 VAC, 50/60 Hz
- 1U high 250mm 19" shelf
- Colour – Light Grey RAL 7035

Model 2537-B7



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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. This range can be used as the basis to meet your specific demands.

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