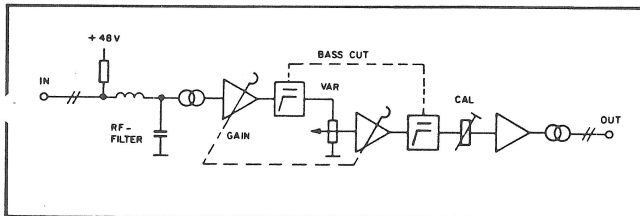


MICROPHONE AMPLIFIER

Basically, this is a microphone amplifier with sufficient gain to amplify a low level signal up to line level. There are three user accessible controls on the amplifier's front panel for gain adjustment in six 12 dB steps, an overlapping fine adjustment, as well as a bass-cut filter to eliminate rumbles and extreme low frequency signals (impact sounds).

With the wide range of gain settings available and by applying good engineering practice, this amplifier lends itself to a variety of useful applications. To avoid distortion due to output signal clipping, the designer must observe that a sufficient overload margin is allowed for, depending on the type of level meters used in a system.



Technical Specifications

Input

Impedance,
balanced/floating: > 2 kOhms

Sensitivity
(for + 21 dBu into
200 Ohms): - 66 dBu

Input
overload point: + 10 dBu

Adaptation for microphone phantom powering possible.

Output

Impedance,
balanced/floating: < 50 Ohms

Maximum level into
200 Ohms: + 21 dBu

Frequency Response

30 Hz... 15 kHz: + 0,2 / - 1 dB
With bass cut: - 3 dB / 100 Hz
- 14 dB / 30 Hz

Gain

Adjustable,
six steps: 12, 24, 36, 48
60 and 72 dB

Range of over-
lapping fine
control: 15 dB

Minimum gain: 12 dB

Maximum gain: 87 dB

Distortion

At + 21 dBu into
200 Ohms
30 Hz...50 kHz: < 0.5 % THD

Noise Performance

Noise figure, input
terminated with
200 Ohms, gain
72 dB: < 5 dB

(This represents - 124 dBu of unweighted equivalent input noise).

Absolute unweighted
noise level at the
output with gain set
to 12 dB: < - 95 dBu

Power Requirement

Operating voltage: + 15 V

Current consumption, idling: 15 mA

With + 6 dBu into 200 Ohms: 25 mA

With + 21 dBu into 200 Ohms: 55 mA

Dimensions

EURO-card: 100 x 160 mm,
7 M units wide

Weight: 350 g/12,5 ozs.
approx.

Ordering

1.915.301.00

Microphone Amplifier