

1CH single video amplifier user manual

Introduction

1CH is a video distribution amplifier which can amplify video signal in a balanced manner. It is used in remote video signal transmission system to rise& balance signal loss and frequency distortion, Can compatible with white/black and color video.

Notes

- 1). Don't uninstall video amplifier
Maintenance needs qualified technician, so don't try to open the box.
- 2). Light put and light take
5301 is a precise electronically product, so prohibit acute shake and collision.
- 3). Don't expose it in rain and damp environment.
- 4). Forbid using acidic cleanser to clear the product. You can only use soft towel to swab it with litmusless cleanser
- 5). Make sure it operation in allowed temperature, humidity and voltage rang.

Installation

- 1). When Connect to 12VDC, the power LED should be light.
- 2). Connect input video to "VIDEO IN" BNC.
- 3). Connect output video to "VIDEO OUT" BNC.
- 4). After the above operations are completed, you can adjust gain up to output video voltage is $1V_{P-P}$, then adjust HFGAI(definition). You can repeat these operations up to the satisfied result.

Technical Specifications

Electric specifications

(The following specifications are figured out under 75ohm output load)

Input voltage: DC12V, 50Hz

Input/output load: 75ΩBNC

Output connector: 1 $1V_{P-P}$ 75ΩBNC

Frequency response: adjustable.

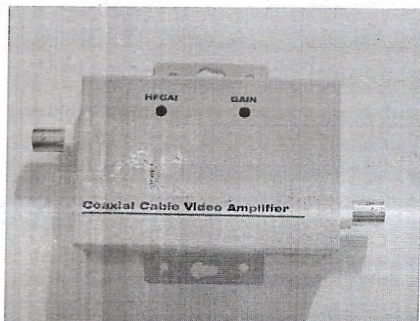
Bandwidth (-3db): 10 Hz to 7.5 MHz.

Gain: adjustable and max up to 6dB

Max output video voltage: $2.5V_{p-p}$.

available distance: 700M

picture



Mechanical specification

Dimensions:

Height: 25 mm

Width: 85 mm

Length: 95 mm

Weight: 200g

Configuration: thin metal

Packaging: carton box

Environmental specifications

Temperature: 14 to 113 °F (-10 °C to 45 °C).

Humidity: $\leq 90\% \Omega$