

# VB01 A

## TELEVISION INSTRUMENTS

### DISTRIBUTION AMPLIFIER



#### General

This model is composed of a video distribution amplifier (VDA) and a pulse distribution amplifier (PDA) which are designed to distribute both video and sync signals used in TV receiver and picture tube manufacturing plants.

The VDA and PDA units are configured separately along with a regulated power supply, although the VDA and PDA can be used together in the main frame.

Up to a maximum of 10 units can be mounted in the main frame. For every VDA unit, 4 outputs can be made available from a single input and the maximum number of distributed signals is therefore 40.

This unit can compensate a cable loss as possible. It can be used a normal (STD.) or over 50, 100, 150, and 200 m distances with the corresponding cable length.

#### Specifications

- Main frame
  - Number of mounting units
    - Max. 10
    - BNC, 75  $\Omega$ , bridge-connection
  - Input connector type
  - Output connector type
    - BNC, 75  $\Omega$
- VDA unit (model: VU01A)
  - Number of inputs/outputs
    - 1/4
  - Input level
    - Max. 1.4 Vp-p
  - Gain
    - 0 dB  $\pm$  0.5 dB, at 1 kHz
  - Frequency response
    - $\pm$  1.0 dB, 0 to 10 MHz
  - Roll-off above
    - 10 MHz
  - Overshoot, sag
    - $\pm$  1%, at 60 Hz to 250 kHz square wave
  - Rise time
    - 0.05  $\mu$ s, at 60 Hz to 250 kHz square wave
  - DG/DP
    - 0.5% / 0.5°

- PDA unit (model: VU10A)
  - Number of inputs/outputs
    - 1/3
  - Input level
    - 4 Vp-p
  - Overshoot, sag
    - $\pm$  1%
  - Delay time of pulse
    - Approx. 0.5  $\mu$ s
- General specifications
  - Power supply
    - AC 100, 120, 220, 240 V  $\pm$  10%, 50/60 Hz
  - Power consumption
    - Approx. 40 VA
  - Operating temperature range
    - 0°C to 40°C
  - Relative humidity
    - 25% to 90% RH (non-dewing)
  - Dimensions
    - 426 (W) x 149 (H) x 350 (D) mm
  - Weight
    - Approx. 12 kg

