

VB14A6

TELEVISION INSTRUMENTS

VIDEO DISTRIBUTOR



General

The VB14A6 is designed to exactly distribute and HDTV video signal to several equipment. It not only compensates for cable loss of frequency response and level occurring when the signal is distribute to remotely located equipment, but also enable to adjust phase between cables.

Features

- This video signal distributor is of the unit container configuration and maximum 12 units (VU14A0 unit: 1 input video signal is divided to 4 video output) can be inserted into the main unit.
- Each VU14A0 unit allows to compensate for frequency and level loss of 5C-2V cables (max. 200 m for each).
- Delay amount of the signal, which is input to each unit, is adjustable in increments of 1 ns in a range of 1 ns to 15 ns.

Specifications

- Number of units mounted
Max. 12 units.
- Input signal (Using the VU14A0 unit)
 - Impedance 75 Ω (loop-through)
 - Signal level Max. 2 Vp-p or higher
 - Signal frequency
60 Hz to 30 MHz or higher
- Output signals (using the VU14A0 unit)
 - Number of outputs
4 signals/unit
(4 output signals with 1 input signal)
 - Connector type
BNC, 75 Ω
 - Level
0 dB (variable for ± 1 dB or more)
 - Signal frequency response
60 Hz to 25 MHz: ± 0.5 dB
25 to 30 MHz: ± 1.0 dB
30 MHz or higher falling characteristics

Waveform distortion

Sag : $\leq 1\%$
Overshoot : $\leq 2\%$

Delay adjustment

1 to 15 ns (in 1 ns increments)

Delay difference between VU14A0 units
 ± 2 ns

Crosstalk between VU14A0 units

≥ -50 dB at 20 MHz

Cable compensation

Cable loss for maximum 200 m cable can be compensated for when the 5C-2V cable is used. Compensation range is divided into four steps and the compensation is made by selecting the cable length. 4 outputs from one VU14A0 unit have the same compensation.

General Specifications

Power supply AC 100, 120, 220, 240V $\pm 10\%$,
50/60 Hz
(Voltage selection is achieved by tap switching.)

Power consumption

Approx. 120W

Operating temperature range

0°C to 40°C

Relative humidity

20% to 90%RH (non-dewing)

Dimensions

426(W) x 149(H) x 360(D) mm

Weight

Approx. 14 kg

(when 12 pieced of VU14A0 units are mounted)