VIDEO LINE CORRECTOR (OPTO COUPLED) TYPE BH73UU DATA SHEET

- Coax input / Coax output
- 10 video channels per unit
- Each channel equalises to +45dB at 5MHz
- Opto-coupled circuitry for hum rejection



APPLICATION

Designed to operate with coaxial cables the unit will equalise the incoming cable losses to a maximum of +45dB at 5MHz.

Controls on each channel provide the following: Gain, Low Frequency Lift, Medium Frequency Lift and High Frequency Lift 1,2,3 and 4. Adjustment of these controls enables the installer to compensate for the cable losses and obtain a good picture.

Each channel is fitted with an opto-coupled circuit to provide an optical pathway for the video signal. This isolation of the input and output signals prevents the appearance of Hum Bars on the video monitor in situations where circulating earth currents in the cable are causing a problem.

Addlestone Electronics Ltd.
DESIGNED AND MANUFACTURED IN UK

TECHNICAL DATA

INPUT SIGNAL Composite video using colour / monochrome signals REQUIREMENTS or other wide band signals within a frequency bandwidth of

30Hz to 5MHz.

INPUT SIGNAL AMPLITUDE

Nominal 1 volt peak to peak.

OUTPUT SIGNAL AMPLITUDE

Nominal 1 volt peak to peak.

AT UNITY GAIN

Differential Phase < 3 degrees / Differential Gain < 3%.

INPUT IMPEDANCE

75 ohms.

OUTPUT IMPEDANCE

75 ohms.

ELIMINATION OF LONGITUDINAL HUM Automatic rejection to a maximum of 90 volts peak to peak.

CORRECTOR RESPONSE

Adjustable to compensate for frequency dependent cable

IN BAND

losses to a maximum of +45dB at 5MHz.

LIFT CONTROLS

7 lift controls are fitted: GAIN, LF, MF, HF1, HF2, HF3 and HF4. These controls allow individual adjustments within the video

passband.

AC INPUT CONNECTOR

IEC type connector, 3 pole fixed plug.

POWER REQUIREMENTS

Nominal 230V 50Hz or 110V 50Hz, the equipment is

normally supplied for 230V operation. The unit will continue to operate correctly should the AC input supply vary \pm 15%.

POWER CONSUMPTION

Approximately 48 watts at 230V 50Hz.

PERMISSIBLE AMBIENT **OPERATING TEMPERATURE** -10° C to $+40^{\circ}$ C.

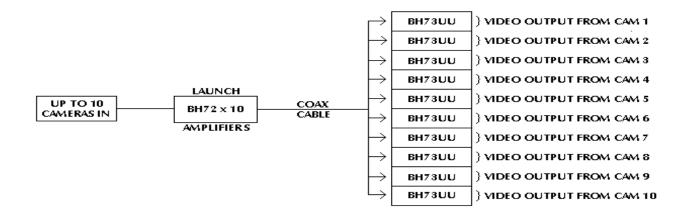
7.2Kg.

WEIGHT OF EQUIPMENT

DIMENSIONS OF EQUIPMENT

Height 133mm Depth 483mm

Width 315mm excluding connectors



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