

## CCTV Equipment

# VIDEO LINE CORRECTOR

TYPE BH74BB

DATA SHEET

- Designed for use with twisted pair cable
- 230V or 110V operation
- 45dB equalisation at 5MHz
- Suitable for colour or monochrome cameras



### APPLICATION

The BH74BB has been designed as a repeater unit for use with twisted pair cables so that high quality pictures may be transmitted over long distances.

Suitable for colour or monochrome video signals the unit will equalise the incoming cable losses to a maximum of 45dB at 5MHz.

The Gain, Low frequency lift, Medium frequency lift, High frequency lift, Input impedance and Input/output balance are all independently adjustable.

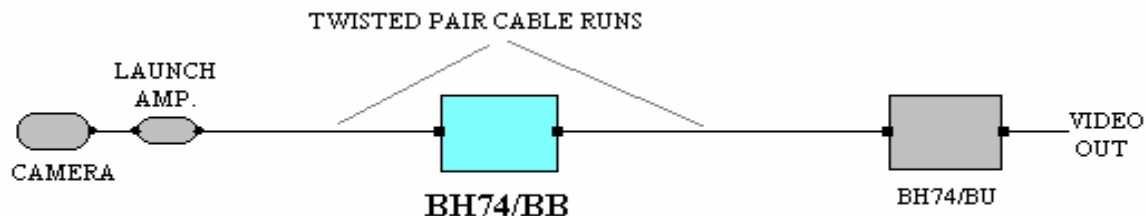
Internal surge protection is fitted as standard on all units.

**Addlestone Electronics Ltd**  
DESIGNED AND MANUFACTURED IN UK

# TECHNICAL DATA

**BH74BB**

<b>INPUT SIGNAL REQUIREMENTS</b>	Composite video using colour / monochrome signals or other wide band signals within a frequency bandwidth of 30Hz to 5MHz.
<b>INPUT SIGNAL AMPLITUDE</b>	Nominal 2 volts peak to peak.
<b>OUTPUT SIGNAL AMPLITUDE</b>	Nominal 2 volts peak to peak.
<b>AT UNITY GAIN</b>	Differential Phase < 3 degrees / Differential Gain < 3%.
<b>INPUT IMPEDANCE</b>	Factory set at a nominal 150 ohms (adjustable between approx. 70 and 230 ohms).
<b>OUTPUT IMPEDANCE</b>	150 ohms (balanced).
<b>INPUT/OUTPUT CONNECTIONS</b>	Miniature binding posts.
<b>CORRECTOR RESPONSE IN BAND</b>	Adjustable to compensate for frequency dependent cable losses to a maximum of 45dB at 5MHz.
<b>LIFT CONTROLS</b>	7 lift controls are fitted: GAIN, LF, MF, HF1, HF2, HF3 and HF4. These controls allow individual adjustments within the video passband
<b>INPUT/OUTPUT BALANCE</b>	The balance of both the input and output signals may be adjusted to obtain the best picture.
<b>AC INPUT CONNECTOR</b>	IEC type 3-pin socket
<b>POWER REQUIREMENTS</b>	Nominal 230V 50Hz or 110V 60 Hz
<b>POWER CONSUMPTION</b>	Approximately 6 watts at 230V 50Hz.
<b>AMBIENT OPERATING TEMP. RANGE</b>	-10°C to +40°C.
<b>WEIGHT OF EQUIPMENT</b>	800 g
<b>DIMENSIONS OF EQUIPMENT</b>	Height 70mm Depth 120mm excluding connectors Width 180mm



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