

DYNAMIC BALUN

TYPE BH110/BU

DATA SHEET

- *Converts a twisted pair input into a coax output*
- *Suitable for colour or monochrome signals*
- *Adjustable for Gain and High Frequency Lift*
- *12V DC operation*



APPLICATION

This unit has been designed for situations where an installer needs to convert from a balanced, twisted pair cable to an unbalanced coax cable when transmitting video signals.

The unit has internal controls for overall Gain and High Frequency Lift. Adjustment of these controls enables the unit to be used as a basic Line Corrector for short cable runs. For example the unit will compensate for signal losses in Cat5 cable for runs up to 400 metres when used in conjunction with a Video Launch Amplifier such as the BH92/UB.

Note: a complimentary unit, the BH110/UB is available that converts an input video signal on coaxial cable to an output signal on twisted pair cable.

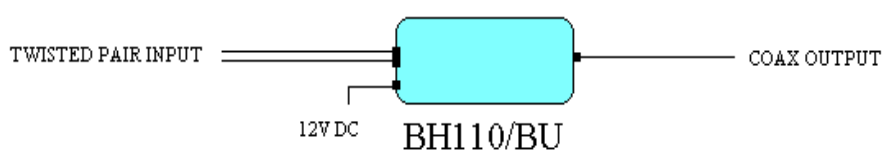
Addlestone Electronics Ltd

DESIGNED AND MANUFACTURED IN UK

TECHNICAL DATA

BH110/BU

INPUT SIGNAL REQUIREMENT	<i>Composite video in colour or monochrome or other wide band signals within a frequency bandwidth of between 30Hz to 5MHz.</i>
INPUT IMPEDANCE	Internally terminated in 150 ohms.
INPUT SIGNAL AMPLITUDE	Nominal 2 volts peak to peak @ 150 ohms
OUTPUT SIGNAL AMPLITUDE	Nominal 1 volt peak to peak @ 75 ohms.
INPUT-OUTPUT CONNECTIONS	<i>The input is a miniature PCB socket / the output is a BNC type connector.</i>
AT UNITY GAIN	<i>Differential Phase < 3 degrees / Differential Gain < 3%.</i>
INTERNAL GAIN CONTROL	Variable from -3dB to +3dB.
INTERNAL HF LIFT CONTROL	Variable from -3dB to +10dB.
OUTPUT PROTECTION	<i>The output is protected against a shorted or open circuit line.</i>
POWER REQUIREMENTS	12V DC regulated supply.
POWER CONSUMPTION	Approximately 0.3 watts.
PERMISSIBLE AMBIENT OPERATING TEMPERATURE	-10°C to +40°C.
WEIGHT OF EQUIPMENT	93 grams.
DIMENSIONS OF EQUIPMENT	Height 32mm Depth 88mm excluding connectors Width 51mm



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