

TA05CU

TELEVISION INSTRUMENTS

UK STEREO ADAPTOR



General

The TA05CU is a sound multiplex to newly add the 2nd carrier to television system B/G. When combined with the TA05C UK stereo encoder, the TA05CU can also generate a Scandinavian stereo sound signal. In this modulation method, two signals of sound and data are digitized and used for modulating a 5.85 MHz sound carrier for output. The digital encoding stage of this process is performed in the TA05C, and the remaining portion of the 4-phase DPSK of the 5.85 MHz carrier is processed in the TA05CU.

The following stereo sound IF modulator and frequency convertors can be connected to the TA05CU:

- RT83B multichannel signal generator with RC25B IF convertor
- RT35A/RT45A TV channel signal generator with RC25B IF convertor
- RT14D/RT15D TV channel signal generator with RC25B IF convertor
- RM54B/RC51C vision-sound IF modulator/synthesized frequency convertor

Specifications

- Input signals
 - 728 kHz clock (from TA05C)
TTL level
 - 728 K BPS data (from TA05C)
TTL level

Note: All characteristics are obtained in combination with the TA05C.
- Output encoded signals
 - Output level 100 dB/μV
 - Frequency response
±0.5 dB, 30 Hz to 15 kHz
 - Connector type BNC, 50 Ω
 - Carrier frequency 5.850 MHz, $\pm 1 \times 10^{-6}$
(transmitted bit-rate $\times 9$)
 - Modulation type 4-phase DPSK (2-bit pair)
 - Bit rate 728 kbits/sec, $\pm 1 \times 10^{-6}$
- General specifications
 - Power supply AC 100, 120, 220, 240 V $\pm 10\%$,
50/60 Hz
 - Power consumption
Approx. 10 VA
 - Operating temperature range
0°C to 40°C
 - Dimensions 426 (W) x 49 (H) x 460 (D) mm
 - Weight Approx. 6.5 kg

Example configuration
(German MPX / UK / China / Scandinavia / French NICAM)

