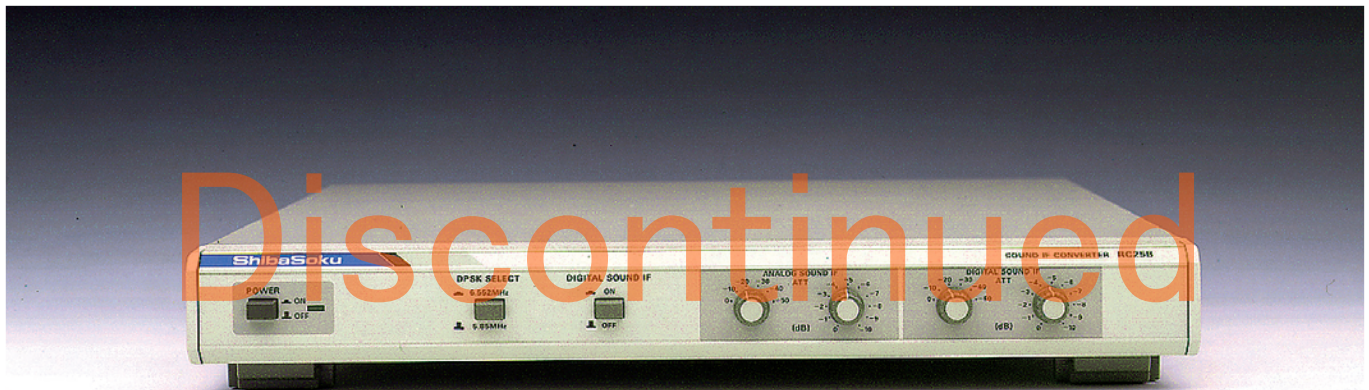


# RC25BL

## TELEVISION INSTRUMENTS

### SOUND IF CONVERTER



#### General

The RC25BL sound IF converter is used to convert either a 6.552 MHz stereo encoder output (for system-I) or a 5.85 MHz stereo encoder output (for system-B/G, system-L) to a sound IF signal.

When used in combination with the TA05C UK stereo encoder or TA05CU UK stereo adaptor, the RC25BL can provide a 32.384 MHz sound IF signal (for system-I) or a 33.05 MHz sound IF signal (for system-B/G, system-L).

#### Specifications

- Television systems
  - System-B/G, I, L
- Input signals
  - 38.9 MHz CW
    - Number of inputs 1
    - Input level 100 dB  $\mu$  +3, -6 dB
    - Connector type BNC-R, 50  $\Omega$ , unbalanced
  - 4-phase QPSK signal (DPSK signal)
    - Carrier frequency 6.552 MHz (System-I)
    - 5.85 MHz (System-B/G, L)
    - Number of inputs 2 (6.552/5.85 MHz one for each)
    - Input level 100 dB  $\mu$   $\pm$  3 dB
    - Connector type BNC-R, 50  $\Omega$ , unbalanced
- 1st sound IF signal
  - Frequency 32.9 MHz (System-I)
  - 33.4 MHz (System-B/G)
  - 32.4 MHz (System-L)
  - Input level 100 dB  $\mu$   $\pm$  3 dB (System-I, L)
  - 97 dB  $\mu$   $\pm$  3 dB (System-B/G)
  - Connector type BNC-R, 50  $\Omega$
- Video signals
  - Input level VBS, 1.0 Vp-p, 75  $\Omega$  (System-L)
- Output signals
  - Sound IF signal
    - Frequency
      - System-I 1st sound IF : 32.9 MHz
      - 2nd sound IF : 32.348 MHz
      - System-B/G 1st sound IF : 33.4 MHz
      - 2nd sound IF : 33.05 MHz
      - System-L 1st sound IF : 32.4 MHz
      - 2nd sound IF : 33.05 MHz
    - Output level
      - System-I 1st sound IF : 100 dB  $\mu$   $\pm$  1 dB
      - 2nd sound IF : 90 dB  $\mu$   $\pm$  1 dB
      - System-B/G 1st sound IF : 97 dB  $\mu$   $\pm$  1 dB
      - 2nd sound IF : 90 dB  $\mu$   $\pm$  1 dB
      - System-L 1st sound IF : 100 dB  $\mu$   $\pm$  1 dB
      - 2nd sound IF : 83 dB  $\mu$   $\pm$  1 dB
    - Connector type BNC-R, 50  $\Omega$ , unbalanced
  - Video signals
    - Output level VBS, 1 Vp-p, 75  $\Omega$  (System-L)
- General specifications
  - Power supply AC 90 to 250 V  $\pm$  10%, 50/60 Hz
  - Power consumption
    - Approx. 10 VA
  - Operating temperature range
    - 0°C to 40°C
  - Relative humidity 25% to 90% RH (non-dewing)
  - Dimensions 426 (W) x 49 (H) x 460 (D) mm
  - Weight Approx. 5 kg