## TMR-RF950R

## CIRCUIT DESCRIPTION

## OUTLINE:

TMR-RF950R is a RF Stereo Transmitter of Sony Wireless Stereo Headphone System, MDR-RF950RK. This transmitter is operated within 913.0-915.0 MHz.

## CIRCUIT DESCRIPTION:

- The audio Input signals (L, R) are severally amplified at ALC AMP and pass through 75  $\mu$ s Preemphasis in IC401.
- · L, R signals from IC401 go to MATRIX circuit including IC403, Operational AMP to generate L+R signal and L-R signal.
- · At OSC/MOD circuit of Q407 and Q408, Sub-Carrier (50kHz) is frequency-modulated by L-R signal.
- · L+R signal and Sub-Carrier which is frequency-modulated by L-R signal are mixed, and inputted to Q101, OSC/MOD circuit as the modulation signal.
- · The oscillator frequency is selected by input DC voltage. The input DC voltage is selected by channel selector.
- This frequency-modulated signal is radiated at ANT after passing through Q102 and Q103.