Technical Descriptions of (BW6091)

RF transmitter (BW6091):

(A) Each time a key is pressed, U1 (micro-controller) will activate Q8, Q6 & Q11 for driving the backlight if the background light is not enough. At the same time, the corresponding data will be loaded from U2, U3 & U4 (ROM). The data will be transferred through two paths.

1.IR driver: Q4 & Q5 will then drive D3 & D4 (IR emitter) to transmit IR signal.

2.Q10 (RF oscillator): the MCU will activate the RF oscillator with the frequency of 434MHz. The data will mix with the oscillation frequency 434MHz. The signal is then amplified by Q11 (RF amplifier) and band-limited by a LC band-pass filter. Finally, transmit through an semi-loop antenna.

(B) The transmitter is powered by 4 x 1.2V "AA" rechargeable batteries or +9V DC adaptor. For each battery connection, Q3 will generate a pulse for re-setting U1 (micro-controller). Moreover, R25 & R26 will give a signal to U1 (micro-controller) if battery is below a pre-set voltage.

MODEL. BW6091
Released for
☐ PRELIMINARY INFORMATION
☐ QUOTATION ONLY
☐ MOCK UP ONLY
☐ HARD/SOFT TOOLING
☐ TOOL MODIFICATION
☐ TECHNICAL MANUAL
☐ MANUFACTORY
☐ PRINTING
☑ ~~MARKETING~~ I.T.S. (FCC)
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