

DYNAMIC INDUSTRIES CO LTD

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ENGINEERING DEPARTMENT

ITEM NO: # 71638
MODEL NAME:- RC BABY MONITOR
FREQUENCY :- 49.860MHZ
DATE :- 19TH JULY 2001
BY: B.LEE

(TX CIRCUIT DESCRIPTION)

**** CIRCUIT DESCRIPTION :- (TX)**

WHEN THE UNIT IS TURNED ON A CW SIGNAL IS TRANSMITTED. THE CRYSTAL CONTROLLED OSCILLATOR Q2 OUTPUT IS COUPLED THROUGH C13 TO THE BASE OF Q3. FROM Q3 THE SIGNAL IS FED THROUGH C8 TO THE BASE OF Q1, FROM Q1 THE SIGNAL IS FEED THROUGH T1 SECONDARY WHICH IS CONNECTED IN SERIES WITH L1 & TUNNED WITH ANTENNA THE MODULATION IS PROVIDED BY M1 & AMPLIFIED BY IC1 . WHEN ON-OFF SWITCHE IS PUSHED TO ON ,. THE UNIT IS POWERED BY A 9.0V ADAPTOR AND IS SELF CONTAINED.

**** ANTENNA AND GROUND CIRCUITRY. (TX)**

THIS UNIT MAKES USE OF AN EXTERNAL ANTENNA. THE ANTENNA IS INDUCTIVELY COUPLED. THIS UNIT IS POWERED FROM A 9.0V ADAPTOR.

**** NO GROUND CONNECTION IS PROVIDED. THE UNIT RELIES ON THE GROUND TRACK OF THE PRINTED CIRCUIT BOARD. (PCB)**