

DYNAMIC INDUSTRIES CO LTD
UNIT 2205, 22F, 57, HUNG TO RD
ENGINEERING DEPARTMENT

MODEL NO:- #71638
MODEL NAME:- BABY MONITOR
DATE :- 30TH AUGUST. 2001
BY: B.LEE

TECHNICAL DATA -----RF BANDWIDTH

A	TX SECTION	CENTER FREQUENCY USED:-	(49.860MHZ)
1	DC POWER SUPPLY :-	9.0VDC TO BE SUPPLIED BY EXT. 120VAC/9VDC 0.1A ADAPTOR	
2	DC IDLE CURRENT :-	38 MA DC (TYPICAL)	
3	DC OPERATING CURRENT	38.00 MA DC (TYPICAL)	
4	TRANSMITTED OUTPUT FREQUENCY @ CHANNEL A	49.875MHZ (+/- 2KHZ MAX.)	(16.625MHX X3)
5	TRANSMITTED OUTPUT FREQUENCY @ CHANNEL B	49.830MHZ (+/- 2KHZ MAX.)	(16.610MHZ X3)
	TRANSMITTED OUTPUT POWER	LESS THAN 100MW	
		OR 0.1V RMS AT 100 OHM LOADING	
6	TRANSMITTED DISTANCE	OR LESS THAN 80DB/M	
7	MODELATION AUDIO FREQUENCY	WITHIN 100 MTER IN OPEN AREA	
8	MODULATION SYSTEM	BY MIC PICK-UP OF AUDIO VOICE	(FM)
9	AUDIO PICK-UP METHOD	BY MICROPHONE MI.	
10	MIC PICK UP FREQUENCY CURVE	30HZ TO 16000HZ	
11	INTERNAL AUDIO PICK FREQUENCY RANGE (CACULATION METHOD)	T=CR T=C2 XR16 C=0.01UF R=6.8K OHM	
		Fo= 1/CR F= 14KHZ	
		F1 @ -6DB F BECOMES 28KHZ.	
		F2 @ -12 DB, F BECOMES 56KHZ.	
		F3 @ -18DB, F BECOMES 112KHZ.	
		F4 @ -24DB, F BECOMES 228KHZ.	
		(BUT IT NEVER REACHED THIS FREQUENCY.)	

12 REMARKS :-
WHATEVER THE SOUND SOURCE CAN PROVIDE A FREQUENCY OF 200KHZ, BUT IT
WILL NEVER PICK UP BY THE RESONANCE CIRCUIT OF C2 X R16. & IT WILL NEVER
BE TRANSMITTED OUT FROM THE TRANSMITTER.