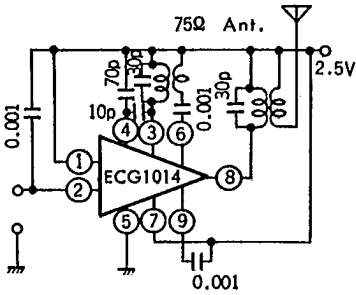
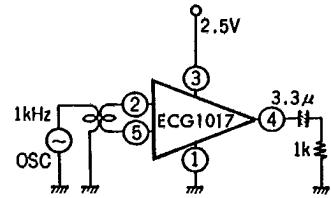
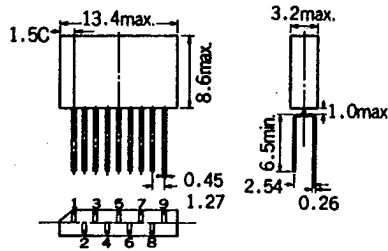




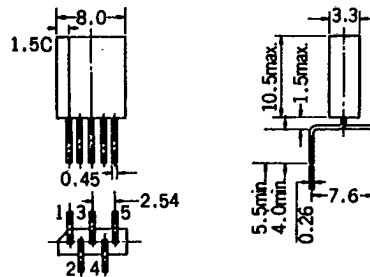
ECG1014 and ECG1017
WIRELESS MICROPHONE AMP.
MODULES THIN-FILM HYBRID



ECG1014



ECG1017



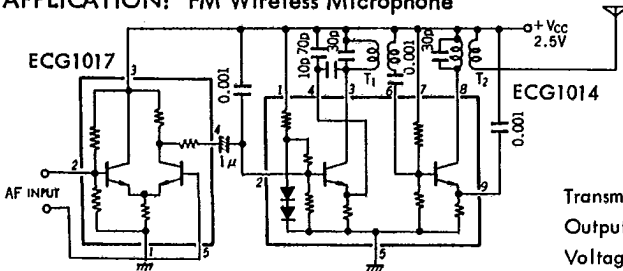
ABSOLUTE MAXIMUM RATINGS AT 25°C FREE AIR

Max. Supply Voltage	Operating Current	Power Dissipation	Storage Temperature	Operating Temperature
6 V	20 mA	100 mW	-20 ~ +100 C	-20 ~ +80 C

ELECTRICAL AND OPERATING CHARACTERISTICS AT 25°C FREE AIR

Item	Symbol	Test Condition	ratings			unit
			min.	typ.	max.	
ECG1014 $V_{CC} = 2.5V, f_{osc} = 43MHz, f_{car} = 85MHz$						
Consumption Current	I_{CCO}			5		mA
Transmitter Output		75ohm antenna	100			mV
Modulation Sensitivity		AF input = 2.5 mV	10			kHz
ECG1017 $V_{CC} = 2.5V, f_{osc} = 1kHz$						
Operating Current	I_{CC}			2.3		mA
Voltage Gain	VG		15			dB

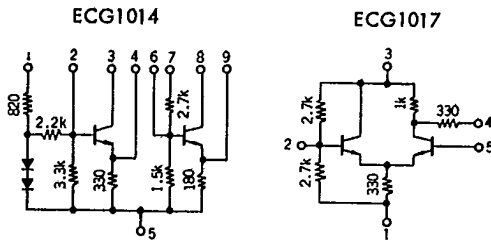
APPLICATION: FM Wireless Microphone



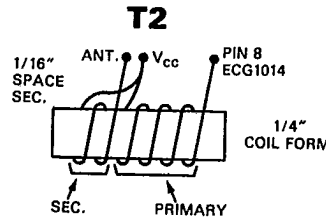
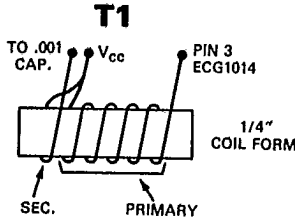
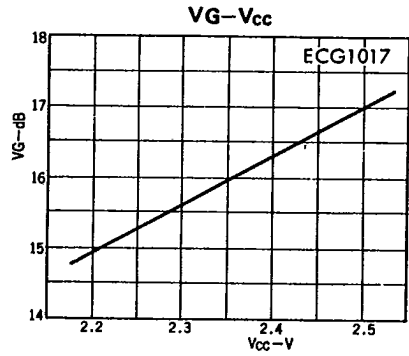
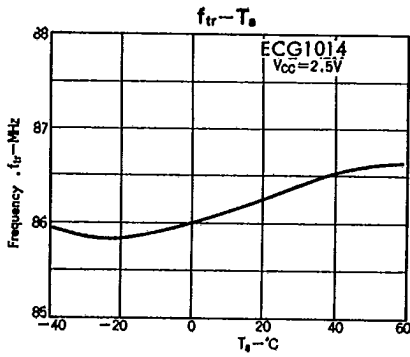
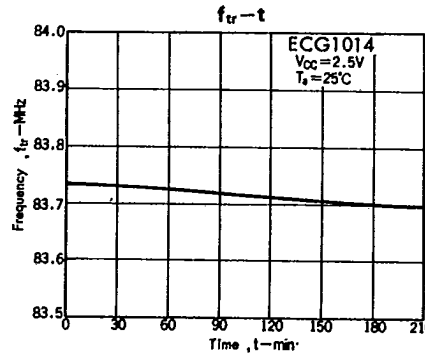
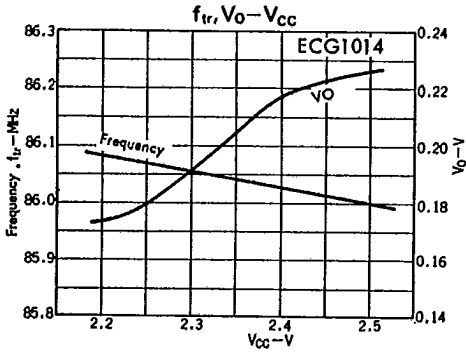
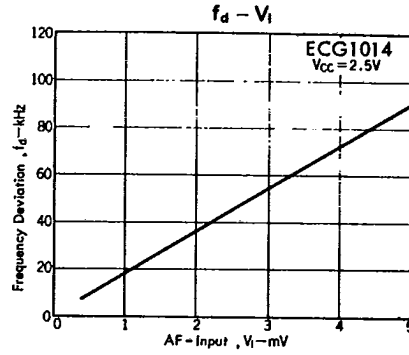
Turns Ratio
 T1 - 5 to 1
 T2 - 4 to 2
 Wire - No. 28 e
 Form - 1/4 in. dia.
 Q - 80
 $V_{CC} - 4.5 V$

Transmitting Frequency 86.65 MHz
 Output Voltage 0.225 V
 Voltage Gain 17 dB

EQUIVALENT CIRCUIT



T-74-05-01



- Notes:
1. PUSH PRIMARY AGAINST SECONDARY.
 2. USE COIL DOPE OR CLEAR NAIL POLISH ON WINDINGS.
 3. FOR MAXIMUM STABILITY, CEMENT COIL FORM TO CHASSIS OR BOARD.