

# THREE-TRANSISTOR RADIO KIT

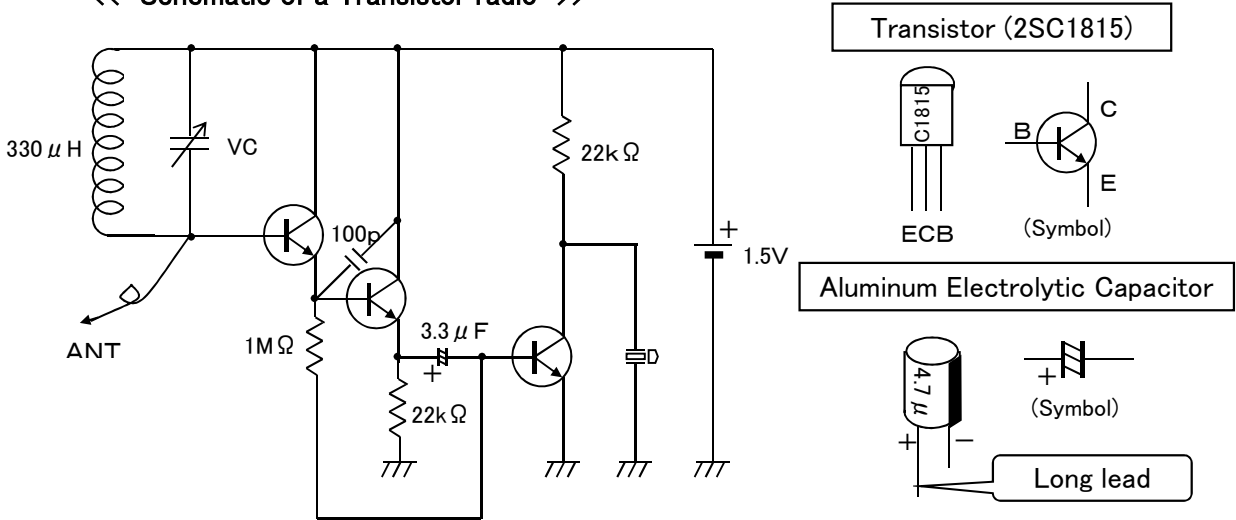
- ◎ This simple radio is designed to increase the sensitivity and the output by using three transistors.
- ◎ This radio will give excellent battery life, drawing only 100 uA.

**<< List of Parts >> Confirm Parts first !**

Part Name	Quantity	Remarks
2SC1815GR	3	Transistor
22kΩ	2	Resistor Color Codes (Red,Red,Orange,Gold)
1MΩ	1	Resistor Color Codes (Brown,Black,Green,Gold)
100pF	1	Ceramic Capacitor (101)
4.7 μF	1	Aluminum Electrolytic Capacitors
330 μH (※)	1	Leaded Inductor (Orange,Orange,Brown)
Variable Capacitor	1	Tuning Capacitor with Dial
Ceramic Earphone	1	Equivalent to a Crystal Earphone
Crocodile Clip	1	For antenna connection
PVC insulated wire	1	1m
Battery holder	1	For AA battery
Lug terminal	1	5P
Round hole Spacer	2	For Lug terminal

※Please note that Leaded Inductor (green) used for the antenna coil looks like a resistor.

**<< Schematic of a Transistor radio >>**



**<< Circuit Diagram >>**

