



Fox Delta

Hobby Projects by Nina Gajjar

Crystal Radio

Schematic & Parts List: Crystal Radio with IC Amplifier & Speaker

Parts List:

| | |
|------------|--|
| L1 | Approx 100 Turns on 1.25" PVC tube #26 |
| VC1 | 2 X 365pf Dual Plastic Variable Capacitor 2J |
| D1 | IN34A or OA79 Germanium Diode |
| D2 | LED Red 3mm |
| LS1 | 4 cm Miniature Speaker 8ohms |
| RV1 | 100K Preset Bourns |
| RV2 | 10K POT (Volume Control) |
| U1 | TL081 8DIP OPAMP |
| U2 | LM386 Audio Amplifier 8DIP |
| IC Sockets | 2 pieces of 8 DIP |
| J1 | Antenna Selector: One plug & 3 sockets |
| J2 | Three position header with shorting pin. |
| H1 | Crystal/Amplifier Radio Selector |
| Switch | Power on/off |
| | |
| C1 | 1000pf |
| C2, C7 | 0.1uf |
| C3, C4, C6 | 10uf 35V |
| C5, C8 | 470uf 25V |
| | |
| R1 | 100K |
| R2, R3 | 1M |
| R4 | 10 ohms |
| R5 | 100 ohms |
| R6 | 2.7K |
| | |
| Battery | 9V |
| | |

Note: C4 is indicated as 470uf in Schematic but is changed to 10uf Tantalum.

Color Schematic on the next page

(1)

