

# **Evan's the "Best of Two" Transmitter**

<http://www.xminusone.com/am/best/best.htm>

## **Bridge Rectifier**

NTE NTE5315 Silicon Bridge Rectifier 8A 600V

## **Capacitors**

C2 – **.068 100v**

C9 – **.022 100v**

C10 – **.022 600v**

C13 – **.003 400v**

C18 - **.1 100v**

C1, C11, C19, C22, C23, C24, C25, C26, C30, C41, C42 – **.01 500v**

C20 & C44 – **.1 400v**

C28 – 220p 100v

C29, C14, C15 – Trimmer capacitor **5.0-55pf** <https://www.rfparts.com> PN 3810-55

2 – Filter capacitors, not numbered, **10uf 50v**

4 – Filter capacitors, not numbered, **47uf 250v**

## **Choke**

L2 – **100uh 1/2w** choke

## **Coil**

L1 – **2.5mh 160ma** RF Choke <https://www.rfparts.com/1535b.html>

L3 – **1mh** coil

## **Diodes**

D2, D4 – Types that will work: **2AP9** or **1N60** or **1N4148** or **1N542**

## **Fuse Holder & Fuse**

1- Screw Cap Fuse Holder Chassis Panel Mount for 6x30mm Glass Tube Fuse Case

1- **500ma 250v** fuse

## **Potentiometers**

R5 – **250k 1/2w** Bourns Low Friction Solid Shaft Audio Taper Potentiometer Pot

1 – Unlabeled – **100k 1/2w** Pot. – EL84 Negative Bias <https://mouser.com> PN 3352T-1-104LF

## **Resistors**

1. R1 & R2 – **1k 2w**

2. R3 – **100k 1w**

3. R4 – **100k 1/8w**

4. R6 – **56k 1/8w**

5. R7 – **100k 1/2w**

6. R8 – **1meg 1/8w**

7. R9 – **330Ω 1/2w** per LED

8. R10 – **10k 1/8w**

9. R11, R12, R13 – **220k 1w**

10. R14 – **1meg 1/8w**

11. R15 – **2.7k 1/8w**
12. R16 – **47k 1/8w**
13. R19 – **1meg 1/8w**
14. R20 – **100k 1/2w**
15. R21 & R22 – **10K 1/2w**
16. R28 – **10k 1/2w**
17. R30 – **1k 1/2w**
18. R31 – **100k 1/8w**
19. R32 – **220k 1/8w**
20. R42 & R43 – **4.7k 1/8w**

### **Transistor**

- 1- **3904**

### **Tube Sockets**

- 6HM5 Tube Socket – Ceramic 7 pin tube socket for 5/8" hole top mount  
6GY6 Tube Socket – Ceramic 7 pin tube socket with shield (Chassis mount)  
6E2 Tube Socket – QQQ Japan 9 Pin Noval Top Chassis Mount Black Phenolic Tube Socket  
EL84 Tube Socket – 9 pin Belton tube socket for 12AX7 EL84 - 3/4" hole

### **Tube Socket LED's**

- 3mm LED Flattop very bright LEDs

### **Miscellaneous**

- 1- Crystal – 1.63MHz 80pf load
- 1- Pilot Lamp – 120 Volt Neon Lamps Amber – Radioshack.com
- 1- Project box – Radio Shack 5" X 7"
- 1- SPST Micromini Switch
- 1- Transformer – Hammond 269BX
- 1 - Power Cord
- 1- 1/8" phono cord which plugs into audio source.

Terminal Strip - 5 Lug, 3rd Lug Common, Horizontal, Pack of 5 (8 individual pieces needed, 2 packages) Amazon.com  
Lots of screws 4-40 & 6-32. Transformer screws 8-32  
Lots of wiring

Vacuum Tubes – 6E2, EL84, 6GY6, 6HM5