+300 R8 V2b 12AU7 470k 100k +200 R12 \$ V1b 12AX7 CAN BE DC COUPLED 10u TO UPPER GRID IN OUTPUT OUTPUT STAGE OF R12 1k2 R6 220k 1k JENSEN AS021 JT-115K-E +98 C3 470n ·YEI V1a [:] .12AX7 V2a 12AU7 RЗ R2 R1 ≷ R2 374k ≥ 250k SEE AS016 BRN 1k R10 iorg BLK WHI R9 1M R11 R7 470ũ 1k5 1k2

OVERALL GAIN (INCLUDING TRANSFORMER) = $5000 \times (74 \text{ dB}) \text{ MAX}$ ELECTRONIC GAIN = $550 \times (55 \text{ dB}) \text{ MAX}$

NOTES

- 1. RESISTORS ARE $\pm 1\%$ 1/4 ω METAL FILM TYPES, ROEDERSTEIN MK2-1 OR EQUIVALENT R8 SHOULD BE WIREWOUND OR METAL FOIL TYPE TO REDUCE EXCESS NOISE CONTRIBUTION 1 k RESISTORS SHOULD BE AS CLOSE AS POSSIBLE TO TUBES TO PREVENT POSSIBLE SPURIOUS VHF OSCILLATIONS
- 2. U1 SOCKET SHOULD BE HIGH QUALITY NON-HYGROSCOPIC TYPE, SUCH AS PORCELAIN, FOR LOWEST NOISE
- 3. IF T1 IS NEAR A POWER TRANSFORMER, CONSIDER THE TRIPLE MAGNETIC SHIELDED JT-115K-E90
- 4. USE OF VERY CLEAN DC POWER FOR PLATE AND HEATER IS HIGHLY RECOMMENDED

JT-115K-E CASCODE TUBE MICROPHONE INPUT STAGE

jensen AS054

7135 HAYVENHURST AVE. VAN NUYS, CALIFORNIA 91406 (213) 876-0059

COPYRIGHT 1995, JENSEN TRANSFORMERS, INC.