

SPECIFICATIONS OF THE C-2000

RECEIVER SECTION

(Tubes & Diodes Used) 13 Tubes & 12 Diodes

●Tubes

12AX7.....(2) (AF Voltage Amplification)

6BM8.....(4) (AF Voltage Amplification, Phase Inversion, Power Amplification)

6BA6..... (2) (AM, FM IF Amplification)

6AU6..... (1) (FM Limiting)

6BE6..... (1) (AM Conversion)

6AQ8..... (1) (FM HF Amplification, Conversion)

6EA8..... (2) (MPX, Pilot Signal Selection & Amplification, 38 Kc Amplification, Stereo Indicator Signal Amplification)

●Diodes

OA-70.....(3) (FM Detection, Tuning Meter)

OA-79.....(6) (MPX Switching, AM Detection, MPX Auto Select)

SD-1A.....(2) (Power Supply)

IS-351.....(1) (FM AFC)

(Audio Section)

- Circuitry: 6BM8 in Push-Pull
- RMS Rated Power Output: 11 Watts per Channel (Distortion Better Than 2% at 1 Kc)
- Music Power Output: 34 Watts (EIA)
- Frequency Response: 30-20,000 cps, ± 3 db (over all)
- Signal-to-Noise Ratio: MAG, 60 db (Volume Max, Tone Controls Defeated at RMS Output, IHF); AUX HIGH, 75 db
- Input Terminals & Gains (Inputs for RMS Output)
 - PHONO MAG: 3 mV
 - PHONO CER/AUX LOW: 40 mV
 - TAPE: 350 mV
 - AUX HIGH: 430 mV
- Output Terminals
 - Speaker Impedances: 8 Ohms/16 Ohms (Switchable)
 - Stereo Headphone Jack
 - Simultaneous Tape Recording (TAPE REC)
 - Tape REC/P.B. Connector (DIN Type)
- Equalization
- Tone Controls
 - PHONO MAG: NF Type RIAA
 - BASS: -10db, +10db (at 50 cps)
 - TREBLE: -10db, +6db (at 10 Kc)
- Loudness Contour
 - ON/OFF, Switchable, +8 db (at 50 cps) and +7 db (at 10 Kc) at -30 db Volume Setting
- Residual Noise: 2 mV/8 Ohm Load at Minimum Volume Setting with Tone Controls Defeated

(FM Tuner Section)

- Circuitry: Cathode Injection Self-oscillation type Front End, 3 IF Stages, Wide Band Detector
- Frequency Range: 88 Mc - 108 Mc
- Usable Sensitivity: 2.5 μ V (IHF)
- Antenna Input: 300 Ohms Balanced, "T"-Shaped Folded Dipole Antenna Supplied
- Tuning Indicator: Tuning Meter for AM and FM
- Accessory: Automatic Frequency Control (AFC) Circuit

(FM MPX Section)

- Circuitry: Time-Switching, Automatic Mono/Stereo Selecting

- Channel Separation: Better Than 35 db at 1 kc
- Stereo Indication: Neon Light

(AM Tuner Section)

- Frequency Range: 535 – 1,605 kc
- Usable Sensitivity: $9\mu\text{V}$ (IHF)
- Antenna: Built-in ferrite loop stick antenna with terminal for external antenna
- Tuning Indicator: Tuning Meter for AM and FM

(Power Supply, Etc.)

- Power Supply System: Voltage-doubler Rectifier using Silicon Diodes.
- Line Voltage & Frequency: 115 V / 230 V (Switchable), 50-60 cps AC
- Power Requirement: 115 Watts (Max)