



SPECIFICATIONS

Useable Sensitivity

Better than 2.5 microvolts at 100% modulation (+75KC deviation) for less than 3% total noise and distortion in accordance with IHFM standards.

Audio Frequency Response

Less than ½ db 20 to 20,000 cycles, including 75 microsecond de-emphasis.

Distortion

Less than 0.5% at 100% modulation, ±75KC deviation.

Capture Ratio

1.7 db at 100% modulation.

Muting

IF injected; at least 60 db quieting between stations.

Drift

Less than 25KC.

Image Rejection

Better than 60 db.

Hum

Better than 70 db below 100% modulation.

Output

Approximately 2.5 volts, low-source impedance.

Antenna Inputs

300 ohms balanced, 75 ohms unbalanced.

RF Amplifier

Cascode with 6DS4 Nuvistor in first stage.

IF Amplifiers

Four stages; AGC used to insure that limiting occurs only in the limiter stages.

Tuning Indicators

Dual electron ray tube; lower section for precise tuning indication; upper section for signal strength presentation (can be switched to indicate multipath distortion).

FM Multipath Distortion Indicator

An exclusive new McIntosh development; the upper section of the dual electron-ray tube can be switched to indicate multipath distortion or signal strength.

Multiplex Channel Separation

Better than 30 db at 1000 cycles.

Multiplex Filter

Greater than 40 db suppression below 100% modulation of 19KC pilot and 38KC carrier.

Multiplex Indicator

MPX stereo light activated by 19KC carrier.

Multiplex Type

Peak-detecting, self-matrixing circuit.

IF Bandwidth

200KC flat top response, down 3 db at 200KC.

Limiters

Two stages.

Radiation

Substantially below FCC requirements.

Tube and Semiconductor Complement

- 1—6DS4 Nuvistor 1st RF amplifier.
- 1—12AT7 2nd RF amplifier and mixer.
- 1—6AB4 Oscillator.
- 1—6AU6 1st IF.
- 1—6AU6 2nd IF.
- 1—6AU6 3rd IF; 1st limiter.
- 1—6CS6 4th IF; 2nd limiter.
- 1—6AV6 Muting amplifier; AGC clamp.
- 1—EMM801 Tuning indicator, signal strength indicator, Multipath distortion indicator.
- 1—6U8 MPX amplifier and 19KC separator-Indicator control.
- 1—12AU7 MPX 38KC oscillator.
- 2—6BL8 left and right audio amplifiers.
- 1—MA113 Transistor (multiplex indicator lamp switch).
- 2—1N542 Diodes, wide band discriminator.
- 4—1N542 Diodes, balanced MPX detector.
- 2—1N542 Diodes, balanced detector for MPX indicator.
- 1—1N541 Diode, muting and tuning indicator detector.
- 2—Selenium rectifiers, high-voltage supply.
- 1—1850 pilot lamp, MPX indicator.

Power Consumption

50 watts, 105 to 125 volts, 50 to 60 cycles.

Dimensions

Front panel; 16 inches wide by 5⁷/₁₆ inches high; chassis (including PANLOC shelf) 15 inches wide by 5¹/₈ inches high by 13 inches deep, including connectors; clearance in front of mounting panel including knobs, 1¹/₂ inches.

Weight

Tuner only, 24¹/₂ pounds.
In shipping carton, 33 pounds.

Finish

Anodized gold and black front panel; chrome chassis.

Installation

Convenient professional PANLOC, (see PANLOC Installation folder.)