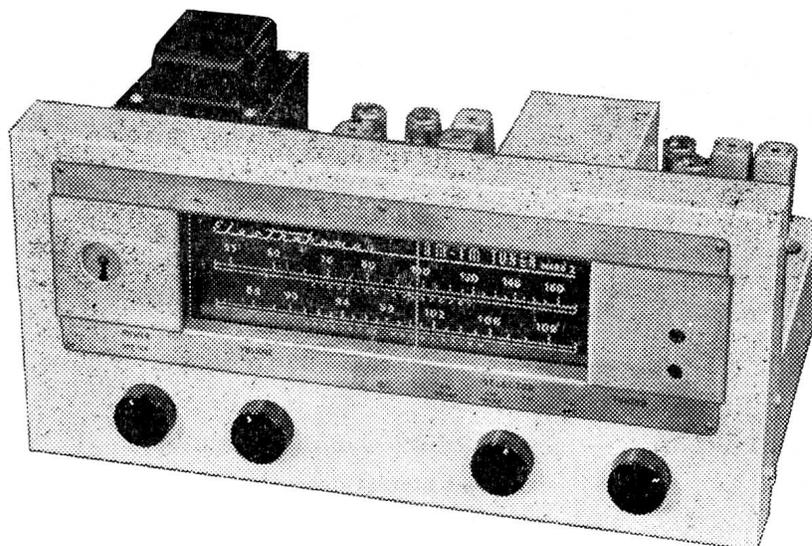


CHF142-515 AM-FM TUNER



| | |
|------------------------|--|
| DUAL ANTENNA INPUTS | — AM — Low impedance loop supplied. Provision for connecting external antenna. |
| | — FM — Folded dipole for built-in installation supplied. Provision for connecting external antenna. Antenna impedance 300 or 72 ohm. |
| TUNED R.F. STAGE | — On BC Band 535-1650 Kc. On FM Band 88-108 Mc. |
| SENSITIVITY | — AM — 1 Microvolt or better for 1 volt output FM — 3 Microvolts (average) for 30 db. quieting. |
| SELECTIVITY | — AM — Sharp — 6 Kc. wide at 5 db. down Broad — 16 Kc. wide at 10 db. down FM — 100 Kc. wide at 10 db. down |
| FREQUENCY RESPONSE | — 20 to 20,000 cps \pm 1 db. |
| DISTORTION | — Less than 0.04% for 1 volt |
| HUM LEVEL | — 100 db. below 2 volts rated output |
| OUTPUT | — 500 ohms Impedance out of cathode follower |
| 10 KC. FILTER | — Built-in. 45 db. down at 10,000 cps. 2 db. down at 5,000 cps. |
| I.F. FREQUENCY | — AM — 455 Kc. FM — 10.7 Mc. |
| POWER CONSUMPTION | — 70 watts at 117 volts AC. 25/60 Cycle |
| SIZE & WEIGHT | — 7" High x 14 $\frac{7}{8}$ " Wide x 9 $\frac{1}{8}$ " Deep. 17 lbs. |
| CONTROLS | — 1. AC Off-On Switch 2. Volume Control 3. Selector Switch — Broad AM, Sharp AM, FM and FM AFC 4. Tuning |
| TUBE COMPLEMENT | |
| (2) 6BQ7A | — FM RF Amplifier. FM Oscillator and A.F.C. Control. |
| (1) 6CB6 | — FM Converter. |
| (3) 6BA6 | — FM 1st and 2nd I.F. AM R.F. Amplifier. |
| (1) 6BE6 | — AM Converter |
| (2) 6AU6 | — FM 1st & 2nd Limiter |
| (2) 6AL5 | — FM Discriminator. AM 2nd Detector and AVC. |
| (1) 6E5 | — Tuning Eye |
| (1) 12AU7 | — Voltage Amplifier & Cathode Follower Output |
| (1) 5Y3GT | — Rectifier |

SPECIAL FEATURES

Extremely sensitive cascaded FM RF stage.
Continuously variable A.F.C. threshold control.
Channel indicator pilot lights.
Flywheel tuning.
Tuning eye.

All values shown are nominal.