

I. TECHNICAL DATA

1. MODEL AT-2450

FM TUNER SECTION

| | | |
|------------------------------|---|---|
| FREQUENCY RANGE | 87.5 MHz to 108 MHz | |
| SENSITIVITY (IHF) | 1.7 μ V | |
| CAPTURE RATIO | 1.2 dB | |
| SELECTIVITY (IHF) | More than 80 dB | |
| IMAGE REJECTION | More than 90 dB (98 MHz) | |
| IF REJECTION | More than 100 dB (98 MHz) | |
| SPURIOUS REJECTION | More than 100 dB (98 MHz) | |
| AM SUPPRESSION | 55 dB | |
| SIGNAL TO NOISE RATIO | 75 dB | |
| HARMONIC DISTORTION | MONO STEREO | Less than 0.15% (100% modulation) Less than 0.2% (100% modulation) |
| FM STEREO FREQUENCY RESPONSE | 20 Hz to 15 kHz +1/-3 dB | |
| MUTING | Level Control (1 μ V to 100 μ V) | |
| STEREO SEPARATION | More than 45 dB (1 kHz) | |
| SUB CARRIER SUPPRESSION | More than 65 dB | |
| OUTPUT VOLTAGE | Controllable from 0 to 2V (100% modulation) | |
| ANTENNA INPUT IMPEDANCE | 300 ohms balanced, 75 ohms unbalanced | |

AM TUNER SECTION

| | |
|-----------------------|--|
| FREQUENCY RANGE | 520 kHz to 1,605 kHz |
| SENSITIVITY (IHF) | 100 μ V/m (bar antenna), 15 μ V (external antenna) |
| SELECTIVITY (IHF) | More than 30 dB |
| IMAGE REJECTION | More than 50 dB (1,000 kHz) |
| IF REJECTION | More than 40 dB |
| SIGNAL TO NOISE RATIO | More than 55 dB |
| OUTPUT VOLTAGE | Controllable from 0 to 2V |
| ANTENNA | Built-in ferrite bar antenna |

MISCELLANEOUS

| | |
|--------------------|--|
| SEMICONDUCTORS | Transistors: 9, Diodes: 14, FET: 1, ICs: 4 |
| POWER REQUIREMENTS | 120 V, 60 Hz for U.S.A. and Canada 220 V, 50 Hz for Europe 240 V, 50 Hz for UK 110/220/240 V, 50/60 Hz Switchable for other countries |
| DIMENSIONS | 440 (W) x 144 (H) x 368 (D) mm (17.3 x 5.7 x 14.5) inches |
| WEIGHT | 7.3 kg (16.1 lbs) |

* For improvement purposes, specifications and design are subject to change without notice.

2. MODEL AM-2450

POWER AMPLIFIER SECTION

| | | |
|-----------------------------|-----------------------|---|
| RATED OUTPUT POWER | 2-CHANNELS DRIVEN | 45 watts per channel, minimum RMS, at 8 ohms from 20 to 20,000 Hz with no more than 0.1% total harmonic distortion. |
| POWER BANDWIDTH (IHF) | | 6 Hz to 60 kHz/8 ohms (Total Harmonic Distortion: 0.1%) |
| SIGNAL TO NOISE RATIO (IHF) | PHONO AUX | Better than 75 dB Better than 95 dB |
| RESIDUAL NOISE | | Less than 0.5 mV at 8 ohms |
| CHANNEL SEPARATION (IHF) | PHONO | Better than 55 dB at 1,000 Hz |
| DAMPING FACTOR | | More than 30 (1 kHz, 8 ohms) |
| OUTPUT | SPEAKERS HEADPHONE | A, B (4 to 16 ohms)/A + B (8 to 16 ohms) 4 to 16 ohms |

PREAMPLIFIER SECTION

| | | |
|-----------------------------|---|--|
| INPUT SENSITIVITY/IMPEDANCE | PHONO AUX TUNER TAPE MONITOR | 3 mV/47 kohms 150 mV/100 kohms 150 mV/100 kohms PIN: 150 mV/100 kohms DIN: 150 mV/100 kohms |
| OUTPUT LEVEL/IMPEDANCE | TAPE REC | PIN: 150 mV/1 kohms DIN: 30 mV/80 kohms |
| FREQUENCY RESPONSE | PHONO (RIAA EQUALIZATION) TUNER, AUX, TAPE MONITOR | 30 Hz to 15 kHz +1 dB, -1 dB 10 Hz to 60 kHz +1 dB, -1 dB |
| TONE CONTROL | BASS TREBLE | ±9 dB at 100 Hz ±9 dB at 10 kHz |
| LOUDNESS CONTROL | | +10 dB at 100 Hz, +5 dB at 10 kHz (Volume control set at -30 dB position) |
| MISCELLANEOUS | | |
| SEMICONDUCTORS | | Transistors: 27, Diodes: 17, ICs: 4 |
| POWER REQUIREMENTS | | 120 V, 60 Hz for U.S.A. and Canada 220 V, 50 Hz for Europe 240 V, 50 Hz for UK 110/220/240 V, 50/60 Hz Switchable for other countries |
| DIMENSIONS | | 440 (W) x 144 (H) x 345 (D) mm (17.3 x 5.7 x 13.6 inches) |
| WEIGHT | | 9.9 kg (21.8 lbs) |

* For improvement purposes, specifications and design are subject to change without notice.