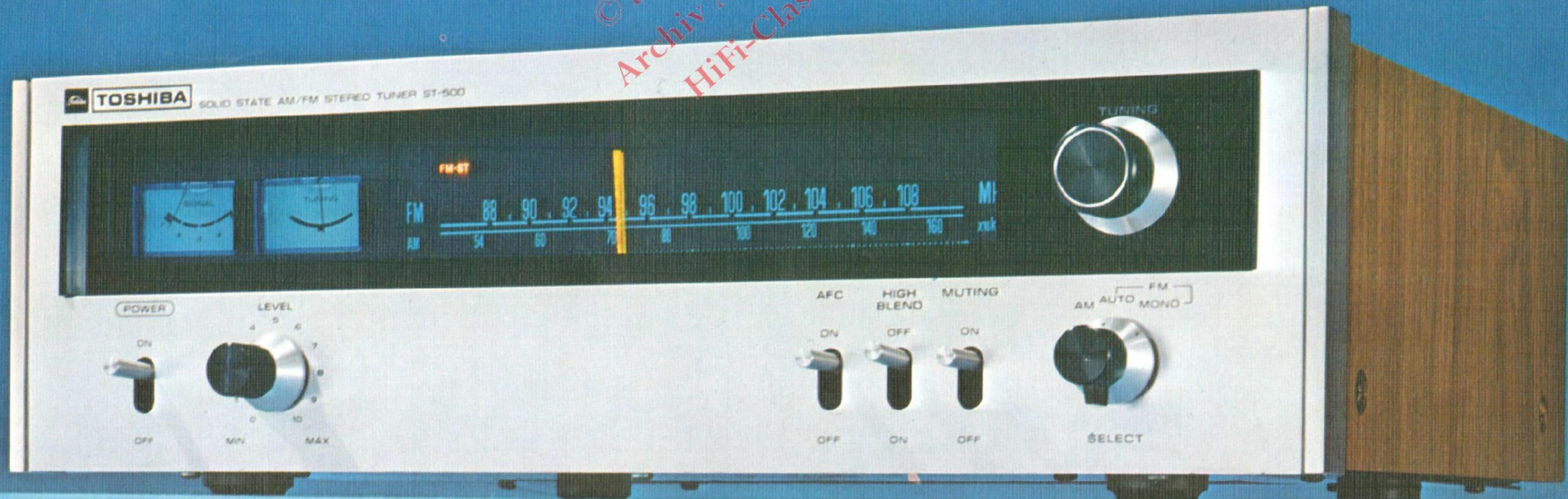


FM/AM STEREO TUNER ST-500

- 4-gang tuning condenser and dual gate 4-pole FET's in FM front end
- Ceramic filters and two IC's consist of differential amplifier limiter in FM IF circuit
- Linear, wide-scale dial, and two tuning meters, and AFC on/off switch, and FM muting circuit
- RF amplification, double stage AGC and ceramic filter for low distortion and high AM sensitivity and for normal operation opposing strong signals
- High-blend switch and manual FM/FM-stereo switch for improving S/N at weak FM stereo signal
- Output terminal for future FM 4-channel broadcasting
- Natural walnut cabinet

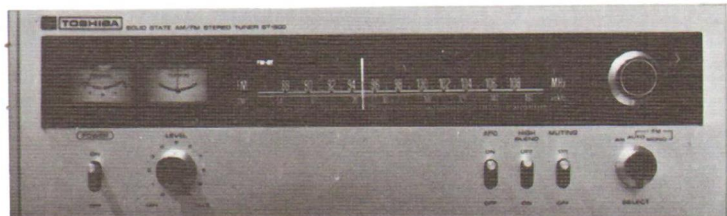


FM/AM STEREO TUNER ST-500

SPECIFICATIONS

GENERAL

| | |
|---------------------------|---|
| Circuit: | Superheterodyne (AM & FM) 2 IC's, 3 FET's, 23 transistors, 23 diodes |
| Power source: | AC 100/120/220/240V, 50/60 Hz |
| Power consumption: | 25W |
| Output level: | 600 mV (fixed, 100% modulation) 0-2 V (variable) |
| Dimensions: | 400(W) × 125(H) × 333(D) mm (15 ³ / ₄ " × 4 ⁷ / ₈ " × 12") |
| Weight: | 6.5 kg (14 ⁵ / ₁₆ lbs.) |
| Accessory: | FM feeder antenna, connecting cord, polishing cloth, owner's manual |



PERFORMANCE

FM tuner section

| | |
|-----------------------------------|--|
| Tuning range: | 88-108 MHz |
| Intermediate frequency: | 10.7 MHz |
| Sensitivity: | 1.8 μV (IHF) 1.8 μV (S/N=30 dB) |
| Signal-to-Noise ratio: | 66 dB |
| Capture ratio: | 1.5 dB |
| Selectivity: | 80 dB (IHF) |
| Image rejection: | 80 dB |
| IF rejection: | 80 dB |
| Spurious rejection: | 100 dB |
| AM suppression: | 50 dB (IHF) |
| Frequency response: | 20-15,000 Hz ± 1 dB |
| Antenna: | 300Ω, balanced 75Ω, unbalanced |
| Harmonic distortion: | Mono; 0.2% at 400 Hz, 100% modulation Stereo; 0.5% at 400 Hz, 100% modulation |
| FM stereo separation: | Better than 35 dB at 1,000 Hz |
| 19 kHz, 38kHz suppression: | 50 dB |

AM tuner section

| | |
|--------------------------------|--------------------|
| Tuning range: | 530-1,605 kHz |
| Intermediate frequency: | 455 kHz |
| Sensitivity: | 15 μV (IHF) |
| Signal-to-Noise ratio: | 45 dB |
| Image rejection: | 70 dB |
| Selectivity: | 30 dB (± 10 kHz) |
| IF rejection: | 70 dB |
| Over load: | 2 V/m at 1,000 kHz |
| Harmonic distortion: | 1% |

