

SOLID STATE AM/FM STEREO TUNER



WL700



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Archiv Michael-Otto*

LUX's long awaited tuner offering exceptional performance at a moderate price. This matching tuner to the renowned SO-700X amplifier is released after research to high performance in LUX's R&D Dept.

CIRCUIT

The FM section has FET RF front end, which ensures excellent sensitivity and good spurious rejection. High selectivity is helped by a 4-gang tuning capacitor. This then is fed into an IF amplifier using high gain IC's and ceramic filter ensuring good stability and limiting. This tuner solves the problem of crowded FM stations. A switching system is adopted in the multiplex circuit in addition to universal carrier circuit

which offers carrier leakage.

The AM section comprises a frequency converter stage and 2 IF amplifier stages, which ensures the best possible sound quality on AM. Strong AGC on these circuits prevents possible distortion against excessive input under strong signal conditions.

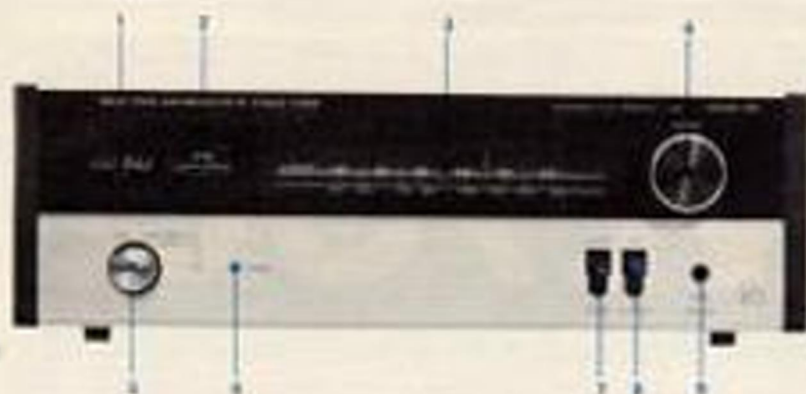
FUNCTION

The twin meter system ensures easy and exact tuning of FM stations by a signal strength meter together with a centre tuning meter. The all electronic muting circuit is effective on both FM and AM to eliminate unpleasant interstation noise. The noise filter is provided to remove trable noise

on FM stereo reception, where high blend type is chosen to cut out trable noise without affecting the overall frequency response. A switch position is provided to manually convert FM stereo to monaural reception.

STYLING

The front panel is of a white gold anodized finish which ideally matches the exclusive rose-wood case. Also optional bonnet of high impact styrol is available in unique leather finish, which can be replaced with the wooden case. The dial scale is of a 3-dimensional embossed profound feeling, which yields a splendid harmony with the aluminium extruded panel of hair-line finish.



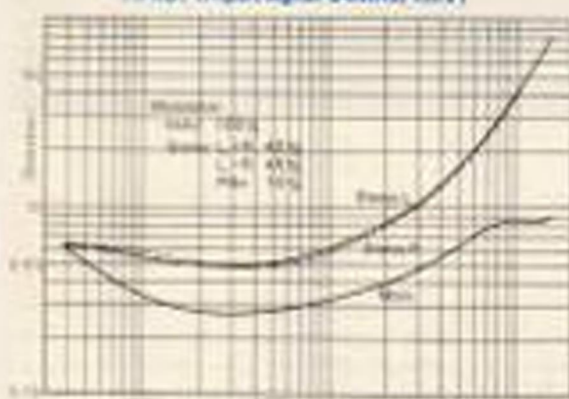
SPECIFICATIONS

Composition:	FET(1), IC(2), Silicon TR(20)
Tuning Frequency:	FM 87.5 - 108.5MHz AM 525 - 1605kHz
IHF Usable Sensitivity:	FM 2.2μV AM 400μV/m
Image Ratio:	FM over 70dB AM over 40dB
IF Rejection Ratio:	FM over 80dB AM over 45dB
Capture Ratio:	FM 2.2dB
2-Signal Selectivity:	FM 50dB/1400kHz
S/N Ratio:	FM 60dB, AM 50dB
Frequency Response:	FM 30 - 15,000Hz ±3dB AM 40 - 4,000Hz ±1.5dB
Stereo Separation:	FM over 35dB at 400Hz
Carrier Leakage:	FM over -40dB
THD:	FM stereo below 0.8% mono below 0.3%
Output:	FM 750mV, AM 400mV
Annexed Controls:	muting switch, noise filter(FM)
Dimensions:	400mm(W) x 245mm(D) x 130mm(H)
Weight:	4.4kg

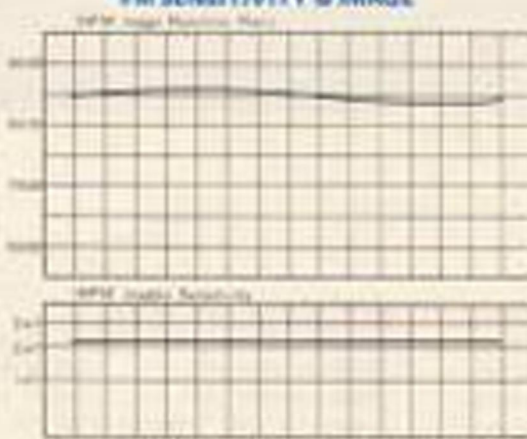


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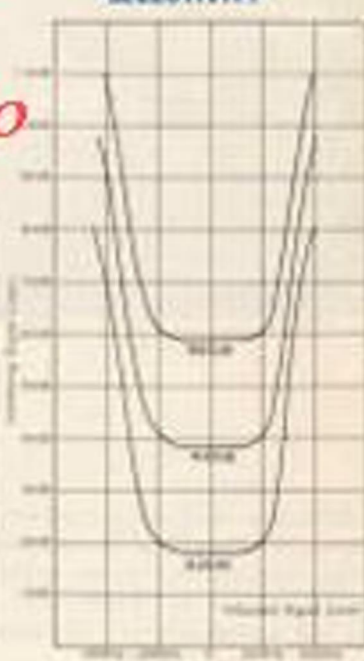
T.H.D. (Input signal 84MHz/1mV)



FM SENSITIVITY & IMAGE



SELECTIVITY



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