



SQ505X



© beim Hersteller

Archiv Michael-Otto

The revival of the long continued T.C.O. amplifier as its model number implies. The basic circuitry design and styling are very close to its predecessor but LUX R & D endeavors have brushed up this amplifier for further refinement - integrating results of our exhaustive studies made for the ultimatum of the transistor circuit design. All stage direct coupling in the main amplifier, pure complementary circuit in the output stage and two stage differential amplification assure distinguished and distortionless performance. Very obviously, the amplifier is the decisive model among the currently available amplifiers in this output and price bracket.

CIRCUIT/PERFORMANCE

MAIN AMPLIFIER

Full stage direct coupling circuit without output condensers by adoption of dual power supplies - the power character and the damping factor are extremely good down to the ultra low frequencies. The output stage is pure complementary circuit consisting of PNP and NPN power transistors and thoroughly eliminates the crossover distortion. Distortion even at the maximum output is immeasurably low. The five-stage consists of 2-stage differential amplifiers assuring very stable performance

and is oriented to achieving very high gain made with strictly selected components. Merits inherent in the direct coupling amplifier are conspicuously present.

PREAMPLIFIER

3-stage direct coupling circuit for the equalizer. The maximum linearity is assured by adoption of efficient PNP-NPN-PNP transistor combination. The PHONO input terminals possess exceptionally high allowance for the input voltage (300mv, 1KHz) in consideration of dynamic range for music program sources. So the alleged weakness of the solid stage amplifier is no more applicable. Ultra low noise silicon transistors are used for the preamplifier to assure the noise-free performance - strictly selected out of PNP transistors, mainly of 2SA403, which inherently excel in noise figure. Inter-stage coupling condensers are of tantalum, mylar and solid aluminum types featuring lower leak current.

By this unpleasant shock noise at switch selection can be suppressed.

Total harmonic distortion of the pre-and main-amplifiers is less than 0.05% which is the measurable limit of the apparatus. Undoubtedly, this is the amplifier FREE from DISTORTION.

STYLING

Friction type dual knob is used for the tone control. When turned normally, the knob makes coupled movement but if desired independent control of either channel can easily and optionally be practised. Turnover frequencies can be selected at three frequency points both at treble and bass ranges. The bass booster circuit is extremely effective and useful for the bookshelf type speaker system.

Two sets of recording and playback connectors are provided. Also integrated are treble and bass filters, and an attenuator. Main and remote speaker connectors permit independent or simultaneous driving of two speaker systems.

MECHANICAL/STYLING

Basically the styling follows its renowned predecessor, the SQ505. However, several improvements have been made to each control function to match with the up-graded features of this new amplifier - click stoppers for tone controls, balancer, etc. Also for convenient connection of a cassette tape recorder, the DIN connector is now located on the front panel. The panel finish is of white gold cycling and the amplifier comes with a massive rose wood finish wooden case.

MAIN AMPLIFIER

RMS POWER

30/30 watts (8 Ω both channels driven)
35/35 watts (8 Ω one channel driven)
less than 0.04% (8 Ω , 30W)
less than 0.04% (8 Ω , 30W)

THD

INTER MODULATION DISTORTION

POWER BANDWIDTH

FREQUENCY RESPONSE

INPUT CONNECTOR

DAMPING FACTOR

RESIDUAL NOISE

PREAMPLIFIER

FREQUENCY RESPONSE

THD

INPUT SENSITIVITY

INPUT IMPEDANCE

S/N RATIO

ALLOWABLE INPUT

(input phono-2, 1W clipping point)



DAMPING FACTOR (8 Ω load, 1W output)



PERMISSIBLE INPUT VOLTAGE (Max.)

TONE CONTROL

FILTER

BASS BOOST

OTHERS

TRANSISTORS, ETC.

ANNEXED CONTROLS

POWER CONSUMPTION

DIMENSIONS

WEIGHT

phono: 300mv, aux: indefinite

LUX TYPE NF turnover frequency selection

Bass: default, 150, 300, 600Hz

Treble: default, 6K, 3K, 1.5KHz

Bass cut: 70Hz (-6dB/oct.)

Treble cut: 6KHz (-6dB/oct.)

100Hz (-6dB/oct.)

100Hz (-6dB/oct.)

100Hz (-6dB/oct.)

100Hz (-6dB/oct.)

100Hz (-6dB/oct.)

100Hz (-6dB/oct.)

100Hz (-6dB/oct.)

100Hz (-6dB/oct.)

100Hz (-6dB/oct.)

100Hz (-6dB/oct.)

100Hz (-6dB/oct.)

100Hz (-6dB/oct.)

100Hz (-6dB/oct.)

100Hz (-6dB/oct.)

100Hz (-6dB/oct.)

100Hz (-6dB/oct.)

100Hz (-6dB/oct.)

100Hz (-6dB/oct.)

100Hz (-6dB/oct.)

100Hz (-6dB/oct.)

100Hz (-6dB/oct.)

100Hz (-6dB/oct.)

100Hz (-6dB/oct.)

100Hz (-6dB/oct.)

100Hz (-6dB/oct.)

100Hz (-6dB/oct.)

100Hz (-6dB/oct.)

100Hz (-6dB/oct.)

100Hz (-6dB/oct.)

100Hz (-6dB/oct.)

100Hz (-6dB/oct.)

100Hz (-6dB/oct.)

100Hz (-6dB/oct.)

100Hz (-6dB/oct.)

100Hz (-6dB/oct.)

100Hz (-6dB/oct.)

100Hz (-6dB/oct.)

100Hz (-6dB/oct.)

100Hz (-6dB/oct.)

100Hz (-6dB/oct.)

100Hz (-6dB/oct.)

100Hz (-6dB/oct.)

100Hz (-6dB/oct.)

100Hz (-6dB/oct.)

100Hz (-6dB/oct.)

100Hz (-6dB/oct.)

100Hz (-6dB/oct.)

100Hz (-6dB/oct.)

100Hz (-6dB/oct.)

100Hz (-6dB/oct.)

100Hz (-6dB/oct.)

100Hz (-6dB/oct.)

100Hz (-6dB/oct.)

100Hz (-6dB/oct.)

100Hz (-6dB/oct.)

100Hz (-6dB/oct.)

100Hz (-6dB/oct.)

100Hz (-6dB/oct.)

100Hz (-6dB/oct.)

100Hz (-6dB/oct.)

100Hz (-6dB/oct.)

100Hz (-6dB/oct.)

100Hz (-6dB/oct.)

100Hz (-6dB/oct.)

100Hz (-6dB/oct.)

100Hz (-6dB/oct.)

100Hz (-6dB/oct.)

100Hz (-6dB/oct.)

100Hz (-6dB/oct.)

100Hz (-6dB/oct.)

100Hz (-6dB/oct.)

100Hz (-6dB/oct.)

100Hz (-6dB/oct.)

100Hz (-6dB/oct.)

100Hz (-6dB/oct.)

100Hz (-6dB/oct.)

100Hz (-6dB/oct.)

100Hz (-6dB/oct.)

100Hz (-6dB/oct.)

100Hz (-6dB/oct.)

100Hz (-6dB/oct.)

100Hz (-6dB/oct.)

100Hz (-6dB/oct.)

100Hz (-6dB/oct.)

100Hz (-6dB/oct.)

100Hz (-6dB/oct.)

100Hz (-6dB/oct.)

100Hz (-6dB/oct.)

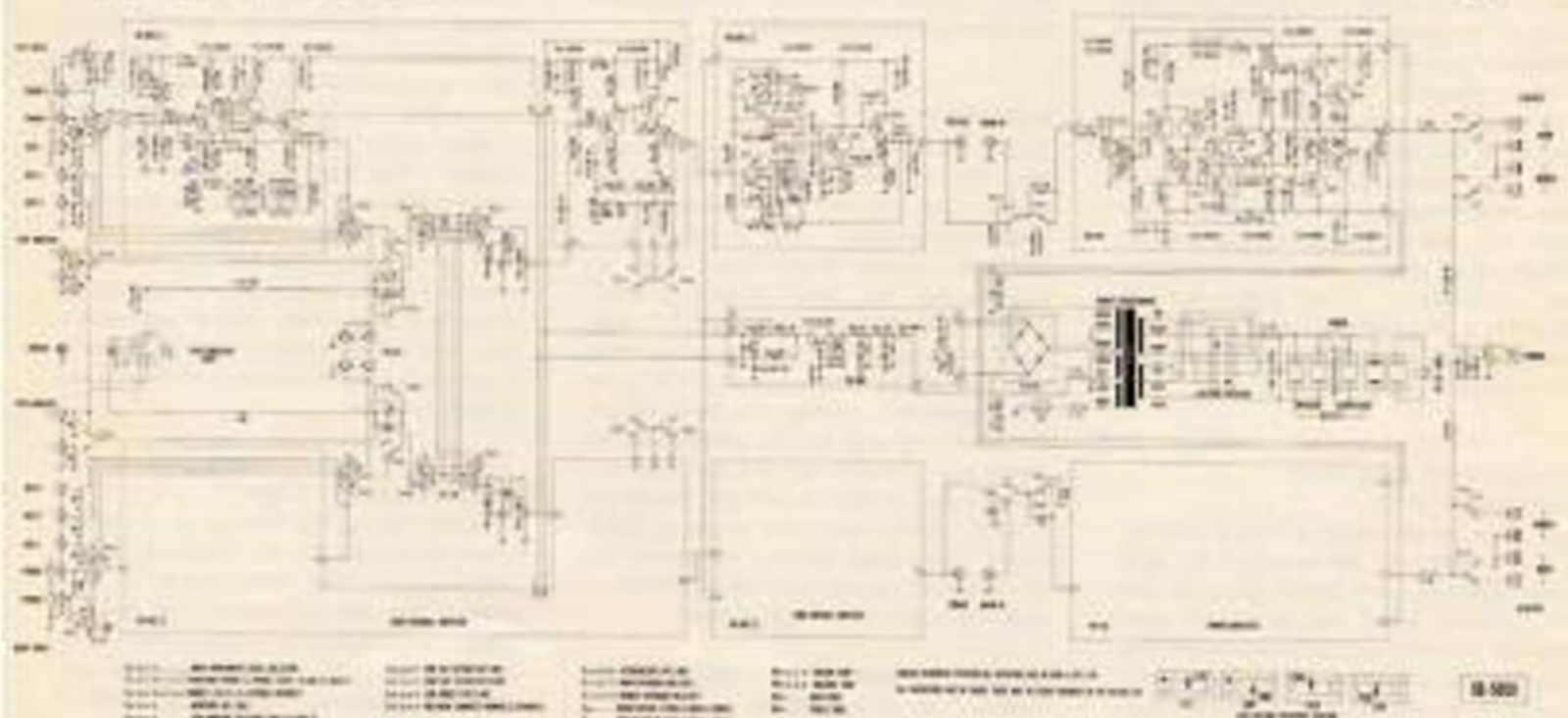
100Hz (-6dB/oct.)

100Hz (-6dB/oct.)

POWER BANDWIDTH (8 Ω , 0dB, 30W)



© beim Hersteller
Archiv Michael Otto



LUX CORPORATION, JAPAN

HEAD OFFICE & FACTORY 2-22, NAGAWASHI DORI, NISHIMARU-KU, OSAKA

PHONES: 06-2031 CABLE: LUXELECT OSAKA

TELETYPE UNIT: 06-2031 CABLE: LUXELECT OSAKA

PHONES: 06-2031 CABLE: LUXELECT OSAKA