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SANSUI AU505



SOLID STATE INTEGRATED AMPLIFIER This 90-watt (IHF music power) solid state performer belongs at the head of its class. No other integrated amplifier in its class can touch Sansui's AU-505 for tonal quality, versatility, ease of operation and economy. Offering luxurious performance at a modest cost, it comes across as the best buy in its price range. In fact, it even offers features that more expensive models lack. Designed in the finest tradition of Sansui's prestigious AU series amplifiers, the AU-505 delivers performance previously unheard of in a compact unit. The tonal quality, for example, is superb because of the exclusive use of low-noise silicon transistors. With distortion of less than

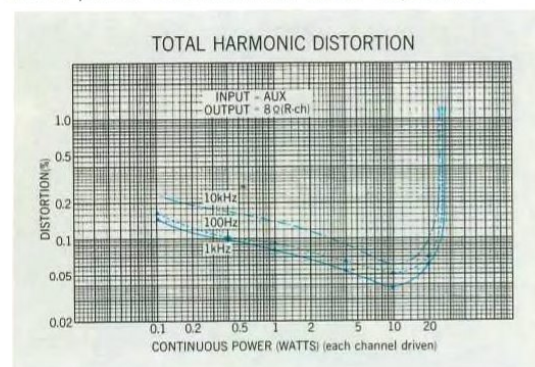
0.5% and a power bandwidth of 25 to 40,000Hz, it figures as an integrated amplifier to be reckoned with in the future. What's more, it has an over-sized power transformer, an extra large heat sink and a full system of precision accessory circuits. Plus versatility and the convenience of a DIN jack for easy connection of an open reel, cassette or cartridge deck; microphone jack, two AC outlets and a tuner selector for instant switching to radio reception. It all adds up to top performance despite a modest price tag that is music to the ears of any serious minded stereo enthusiast.

Sansui



SEMI-COMPLEMENTARY ITL-OTL CIRCUIT:

An all solid state power amplifier adopts a semi-complementary Darlington SEPP-ITL (input-transformer-less) OTL (output-transformer-less) design. It delivers superb output characteristics, such as music power output of 90 (IHF) watts, continuous output of 23 watts per channel (both channels driven), distortion of less than 0.5% and a power bandwidth of 25 to 40,000Hz.



SAFE OUTPUT CIRCUIT: The output circuit of the power amplifier is extremely safe and stable. It employs big-capacity choice silicon transistors most resistant to over-current, voltage, and high temperature, and is equipped with quick-acting fuses to protect those important transistors.

SPECIFICATIONS

POWER OUTPUT

IHF MUSIC POWER 90W (4Ω) at 1,000Hz
70W (8Ω) at 1,000Hz

CONTINUOUS RMS POWER (each channel driven)
35/35W (4Ω) at 1,000Hz
25/25W (8Ω) at 1,000Hz

CONTINUOUS RMS POWER (both channels driven)
23+23W (8Ω) at 1,000Hz

TOTAL HARMONIC DISTORTION
(including preamplifier)
less than 0.5% at rated output

INTERMODULATION DISTORTION
(60Hz: 7,000Hz=4:1 SMPTE
method including preamplifier)
less than 0.5% at rated output

IHF POWER BANDWIDTH (each channel driven at 8Ω)
25 to 40,000Hz

FREQUENCY RESPONSE (at normal listening level)
Over All (from AUX) 20 to 60,000Hz ±2 dB

LOAD IMPEDANCE 4 to 16Ω

EXTRA LARGE POWER TRANSFORMER: This is another indication that Sansui has spared no effort in building the AU-505. The extra-large transformer supplies ample power with the least fluctuation in voltage.

FLEXIBLE SPEAKER CONNECTIONS: The AU-505 connects up to two pairs of speaker systems and permits selecting either or both pairs. Connection is simplified with Sansui's unique one-touch foolproof button type terminals. When the Power/Speakers Switch is set to SPKR OFF, the operator can listen privately with headphones.

MICROPHONE JACK: A microphone jack is provided on the front panel for ready connection of a microphone to permit the use of a mike for voice recording or public address operation. Sound picked up by a microphone will come out in the middle between the two speaker systems.



Sansui SDM-2 Dynamic Microphone available as an optional extra.

DAMPING FACTOR approximately 50 at 8Ω load

INPUT SENSITIVITY AND IMPEDANCE (at 1,000Hz)

PHONO 3mV (50 kΩ)

MIC 4mV (50 kΩ)

TUNER 200mV (50 kΩ)

AUX 200mV (50 kΩ)

TAPE MONITOR (Pin) 200mV (50 kΩ)

(DIN) 200mV (50 kΩ)

RECORDING OUTPUT VOLTAGE
(at rated input, 1,000Hz)

TAPE REC (Pin) 200mV

(DIN) 30mV

CROSSTALK (at rated output, 1,000Hz)

PHONO better than 50 dB

AUX better than 50 dB

IHF HUM AND NOISE

PHONO better than 70 dB

MIC better than 70 dB

AUX better than 75 dB

CONTROLS

BASS +13 dB, -13 dB at 50Hz

TREBLE +10 dB, -10 dB at 10,000Hz

LOUDNESS +10 dB at 50Hz, +8 dB at 10,000Hz

(volume control at -30 dB)

TUNER SELECTOR: An exclusive Tuner Selector is provided on the front panel in the form of a one-touch lever type switch. This allows the listener to switch instantly to radio reception even when he is playing a record or speaking into a microphone.

FRONT PANEL DIN SOCKET: In addition to the usual pin jack type terminals on the rear panel, the AU-505 is equipped with a DIN socket on the front panel, so one can plug in or out a cassette or cartridge deck with absolute ease.

EXTRA-LARGE HEAT SINK: An extra-large heat sink diffuses any heat radiated by the power transistors, so they can continue to work at full capacity for hours on end.

SILICON TRANSISTORS: The equalizer circuit is built with low-noise silicon transistors. In fact, the entire amplifier employs silicon transistors, with especially big capacity ones in the power amplifier. The result is superb tonal quality—sounds that are clean and distortion-free.

MATCHING TUNER:



TU-505

SWITCHES

SELECTOR MIC, PHONO, AUX
TUNER SELECTOR OFF, ON
LOUDNESS OFF, ON
TAPE MONITOR SOURCE, PLAYBACK
MODE STEREO, MONO
LOW FILTER OFF, ON -10 dB at 50Hz
(6 dB/oct.)
HIGH FILTER OFF, ON -10 dB at 10 kHz
(6 dB/oct.)
SPEAKERS POWER OFF, SYSTEM A,
SYSTEM B, SYSTEM A+B,
SPKR OFF

SEMICONDUCTORS Transistors: 23 Diodes: 2

POWER REQUIREMENTS

POWER VOLTAGE 100, 117, 220, 240V 50/60Hz

POWER CONSUMPTION 150 VA, 120W

DIMENSIONS 115mm (4 1/2")H x 407mm

(16")W x 278mm (10 1/2")D

WEIGHT 8.0 kg (17.7 lbs.)

Design and specifications subject to change without notice for improvements.



Origin archive.org