

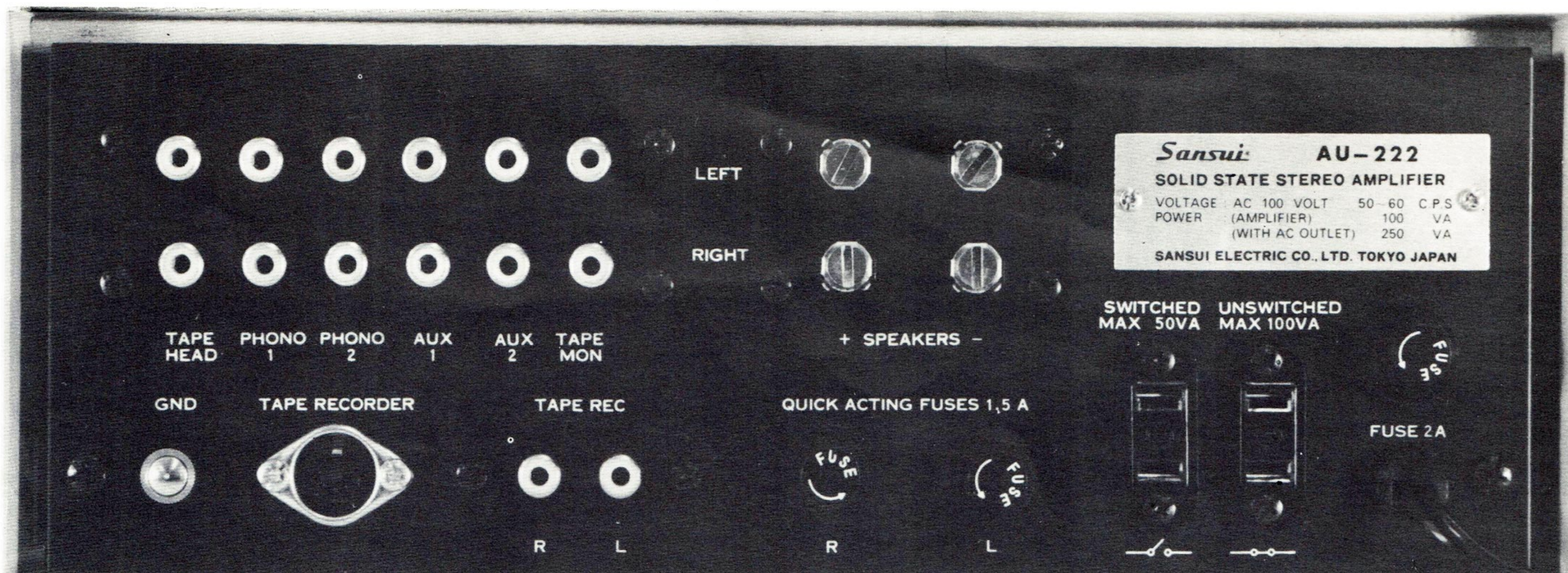
# SANSUI AU222



**SOLID STATE CONTROL AMPLIFIER** Much more than just a professional control amplifier, Sansui's AU-222 represents a dramatic breakthrough in the art of audio engineering; for never before has any amplifier so compact in size and low in price offered so much in quality and performance. No other amplifier could—unless it used no-compromise low noise silicon transistors in both output and equalizer stages. Or negative feedback circuitry in all amplifier stages. Or printed circuits throughout. Or advanced complementary Darlington SEPP-ITL-OTL circuitry backed

up by Sansui's own power transformer. Only the AU-222 has this kind of advanced engineering and the performance features to match—46 watts in output, a bandwidth from 20 to 20,000Hz with a distortion factor of 0.8%, and a high S/N ratio of 80dB. Plus more inputs—six—than any amplifier of its size, for a new dimension in small amplifier versatility. With a satin-finished black front panel and functional arrangement of controls, the Sansui AU-222 is easily the finest compact amplifier in the world today. (Wood case available at option)

**Sansui**



The Sansui AU-222 all-silicon control amplifier is built to the Sansui AU-555's matchless standard of quality and reliability, and differs only in amount of power and extra features. As such, it offers you features you won't find anywhere else in its price range.

**ALL-SILICON SOLID-STATE DESIGN:** Sansui's AU-222 employs quality epitaxial silicon power transistors not only in the output stage, but also specially selected low-noise silicon solid-states in the equalizer stage for lower distortion at low power levels and more linear sound reproduction at full output. In addition, the AU-222 provides greater stability in performance against variations in temperature.

**TRANSFORMERLESS CIRCUIT:** Combined with the epitaxial silicon power transistors, a complementary Darlington SEPP-ITL-OTL circuit provides music power (IHF standard) of 46 watts, continuous power of 18/18 watts, total

harmonic distortion of less than 0.8% and a power bandwidth from 20 to 20,000 Hz.

**NF AMPLIFIER CIRCUITRY:** All amplifier stages incorporate a negative-feedback amplifier for appreciable improvements in frequency response, signal-to-noise ratio and distortion. The AU-222 has a frequency response of 20 to 30,000 Hz, distortion of less than 0.8% and a S/N ratio of 80db.

**PROTECTOR CIRCUIT:** Current limiters and quick-acting fuses protect the power transistors from overloads and short circuits.

**SIX INPUTS:** The AU-222 is provided with the largest number of inputs in its price range: two phono, tape head, tape recorder and two aux.

**TWO PHONO INPUTS:** The AU-222 is provided with two PHONO inputs: PHONO 1 and PHONO 2 have the input impedance of 47K $\Omega$  and 100 K $\Omega$  respectively. Either can be used depending on personal preference. Generally, a cartridge

connected to the 47K $\Omega$  input produces a soft and mild tone. Connected to the 100K $\Omega$  input, it delivers tones with accented high frequencies.

**POWER TRANSFORMER:** Designed and manufactured especially for transistors at Sansui's own factory, the power transformer assures superior regulation without hum.

**ALL PRINTED CIRCUITS:** Printed circuits in all stages of the amplifier greatly improve the channel separation, stability and reliability of the AU-222.

**OTHER FEATURES:** High and low filters, Loudness control, DIN connector, Tape monitor switch, Headphone jack

**APPEARANCE:** The non-glare satin-black front panel and professional control arrangement are inherent family features of Sansui's entire AU control amplifier series.

## SPECIFICATIONS

### POWER OUTPUT:

MUSIC POWER (IHF):	46W	at 8 ohms
MUSIC POWER (IHF):	40W	at 4 ohms
CONTINUOUS POWER (each channel):	18W/18W	at 8 ohms
CONTINUOUS POWER (each channel):	16W/16W	at 4 ohms

HARMONIC DISTORTION	Less than 0.8%
INTERMODULATION DISTORTION	(60Hz : 7,000Hz = 4 : 1) Less than 0.8%

POWER BANDWIDTH (IHF):	20 — 20,000Hz at 8 ohms
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FREQUENCY RESPONSE	20 — 30,000Hz $\pm 1$ db
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CHANNEL SEPARATION	better than 50db
OUTPUT IMPEDANCE	4 — 16 ohms
DAMPING FACTOR	greater than 20 at 8 ohms

HUM AND NOISE (IHF)	better than 80db
VOLUME AT MINIMUM	better than 60db

AUX	better than 65db
INPUT SENSITIVITY (for rated output):	
PHONO-1	2mV $\pm 3$ db (47K ohms)
PHONO-2	2mV $\pm 3$ db (100K ohms)
TAPE HEAD (19cm/s)	1.5mV $\pm 3$ db (200K ohms)
AUX-1	150mV $\pm 3$ db (100K ohms)
AUX-2	150mV $\pm 3$ db (100K ohms)
TAPE MONITOR	150mV $\pm 3$ db (40K ohms)

RECORDING OUTPUT:	
PIN	150mV
DIN	30mV

CONTROLS AND SWITCHES:	
BASS CONTROL	$\pm 10$ db at 50Hz
TREBLE CONTROL	+12db at 10,000Hz -14db at 10,000Hz
LOUDNESS CONTROL	+8db at 50Hz, +3db at 10,000Hz (Volume control at -30db)

LOW FILTER	-10db at 50Hz
HIGH FILTER	-11db at 15,000Hz,
MODE	1) STEREO 2) MONO (L+R)

SELECTOR	1) TAPE HEAD 2) PHONO-1 3) PHONO-2 4) AUX-1 5) AUX-2
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OTHER SPECIAL FEATURES:	
DIRECT TAPE MONITOR.	HEAD PHONE JACK.
DIN CONNECTOR.	

TRANSISTORS AND DIODES	
TRANSISTOR	18
DIODE AND VARISTOR	6
POWER REQUIREMENTS:	
POWER VOLTAGE	100, 117, 220 and 240V, 50-60Hz
POWER CONSUMPTION	20VA at zero signal 100VA at max. signal

DIMENSIONS:	
WIDTH	292mm (11 1/2")
HEIGHT (Excluding rubber stand)	111mm (4 3/8")
DEPTH (Excluding knob)	267mm (10 1/2")
WEIGHT	5.8kg (12 3/8 lbs)