

SERVICE MANUAL

PURE POWER DC STEREO RECEIVER

SANSUI G-5500



Sansui

SANSUI ELECTRIC CO., LTD.

SPECIFICATIONS

Audio section

Power output

Min. RMS, both channels driven, from 20 to 20,000 Hz with no more than 0.5% THD at Rated Power Output

40 watts per channel (see 6 ohms)

Load impedance 8 ohms

Total harmonic distortion

New type 0.02% at or below rated vol., RMS power output

Unmodulated distortion (THD) 1% at 100% modulation

New type 0.02% at or below rated vol., RMS power output

Frequency response (at 1 watt)

Design (flat, Hz) 10 to 20 kHz ± 0.2 dB, ± 0.5 dB

Power amplifier section

500 to 200,000 Hz, ± 0.5 dB, ± 0.5 dB

Max. vol.

1.5 watt

Max. input

50 mVrms

BLA curve distortion (THD) 0.02% at 20 kHz

± 0.2 dB, ± 0.2 dB

Damping factor (20 Hz to 20 kHz, both channels driven)

100 times 8 ohms

Input sensitivity and impedance (at 1 kHz)

PHONO 0.2 mV/100 Ω balanced

Other input sensitivity: 1.20 Vrms at 1 kHz, less than 0.1% total harmonic distortion

REC

0.2 mV/100 Ω balanced

TAPE 1, 2 PLAY, AOX

0.10 mV/100 Ω balanced

Signal level (at 1 kHz)

TAPE 1, 2 REC (per track)

1.00 mV

TAPE 1 REPLAY (both tracks)

40 mV

Hum and noise (both channels, A-weighted)

PHONO 75 dB

TAPE 1, 2 PLAY, AOX

50 dB

Channel separation (at 1 kHz)

PHONO 55 dB

TAPE 1, 2 PLAY, AOX

65 dB

Controls

BASS

± 10 dB at 50 Hz

TREBLE

± 10 dB at 10 kHz

ELECTRONIC FILTER

± 5 dB at 10 kHz ± 0.5 dB

LOUDNESS VOLUME

± 10 dB at 100 Hz

± 10 dB at 10 kHz

AUDIO MUTEING

± 20 dB

FM section

Tuning range

88 to 108 MHz

Carrier sensitivity

Min. 0.5 μ V

0.5 μ V

30-dB receiving sensitivity

Min. 1.5 μ V

1.5 μ V

Signal-to-noise ratio (at 1 kHz)

Min. 72 dB

72 dB

Distortion (at 1 kHz)

Min. 0.02%

0.02%

Frequency response (at 100 kHz)

New type 0.1% at 100 Hz

New type 0.1% at 1,000 Hz

New type 0.2% at 10,000 Hz

New type 0.2% at 100 Hz

New type 0.1% at 1,000 Hz

New type 0.1% at 10,000 Hz

New type 0.2% at 10,000 Hz

Antenna channel selectivity (at 100 kHz)

70 dB

70 dB

Capture ratio

1.0 dB

Image rejection ratio

50 dB

Spurious rejection ratio

60 dB

IF response ratio

70 dB

Source impedance

50 Ω at 100 Hz

40 Ω at 1,000 Hz

30 Ω at 10,000 Hz

20 Ω at 10,000 Hz

10 Ω at 10,000 Hz

Frequency response

30 to 15,000 Hz

± 0.2 dB, ± 1.0 dB

Antenna input impedance

500 ohms balanced

75 ohms unbalanced

Sansui G 5500 Service Manual

Karin Nielsen-Saines



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