

Sansui
180W

5000

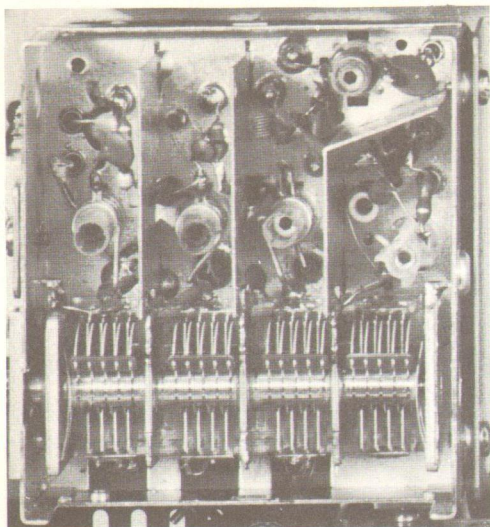


AM/FM MULTIPLEX STEREO TUNER AMPLIFIER If ever a stereo receiver merited distinction for completeness, it is this striking model. Never before has any solid state tuner amplifier offered the scope or diversity of features as those combined in the Sansui 5000. Power: an unprecedented 180 watts. Range: uncompromising brilliance throughout a 15 to 30,000 Hz bandwidth with a distortion factor that never exceeds 0.8%. Circuitry: years ahead of its time with a new FET front end for greater sensitivity and sophisticated Integrated Circuits in the IF stages for improved amplification. Versatility: handles up to four tape recorders and three stereo speaker systems at a single time, operates from either 75 or 300 ohm antennas, and features a new FM STEREO ONLY searching circuit to name only a few. Styling: imaginatively reflects the 5000's advanced engineering in a new black window designed to illuminate only those functions the receiver is set to perform. And there is more, much more that sets the 5000 apart from the ordinary and that makes it the most original and complete solid state receiver in the world today.

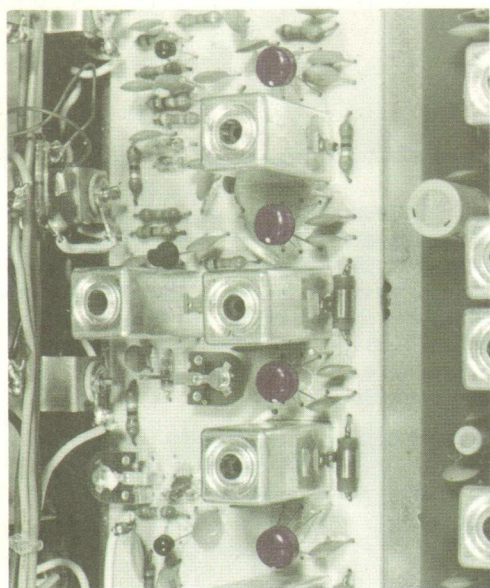


SANSUI

FM Front End Through the use of an all-new 4-gang capacitor and FET in the 1st RF stage and noiseless silicon transistors in the 2nd RF, mixer and oscillator stages, the Sansui 5000 gives an entire new meaning to FM sensitivity (1.8 μ V IHF) and selectivity. The result is flawless, distortion-free reception even at excessively large inputs with unparalleled characteristics of stereo separation, cross modulation and image rejection (90 db).



New Integrated Circuits The use of Integrated Circuits in the 5000's four IF amplifiers has led to improved amplification and stability, freedom from noise and distortion, and makes the 5000 particularly effective in adjacent channel rejection capabilities.

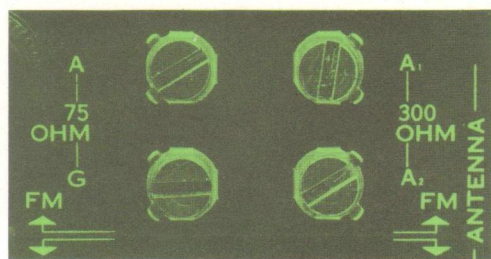


Two Automatic Gain Control Circuits Flawless reception in both strong and weak signal areas has been made possible by incorporating two AGC circuits in both 1st and 2nd RF stages.

Exclusive "Stereo Only" Circuit This new circuit has been designed to pick up only stereo signals. It automatically passes over stations broadcasting monophonically whenever the 5000's FM STEREO ONLY switch is pushed on.



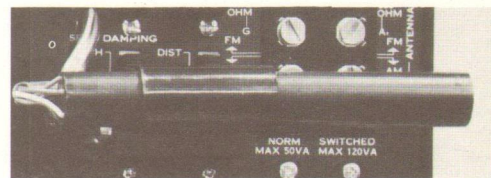
Two FM Antenna Inputs With its 75 and 300 ohm antenna inputs, the 5000 can be fed with either a coaxial cable or simple single wire at its 75 ohm input, or with a parallel feeder wire at its 300 ohm input. Ideal for both independent residences (75 or 300 ohms) and apartment buildings where several users usually work off the same 75 ohm line.



Stable Tuner and Multiplex Circuit A built-in voltage stabilizer regulates the 5000's AM FM tuner circuits to assure steady reception and stereo separation regardless of fluctuations in power voltage.

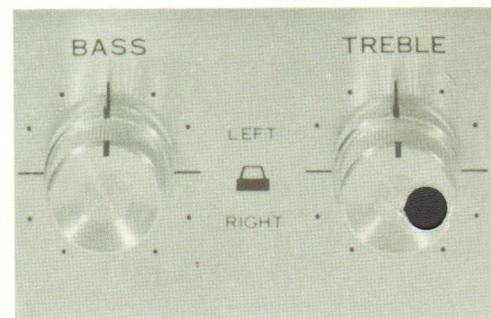
All-Silicon AM Tuner This completely separate section incorporates a one-stage RF and 3-gang variable capacitor to improve image rejection to 50 db and to eliminate beat and whistle noise inherent in AM signals. Like the FM section, it also guarantees higher sensitivity and unchanged selectivity at the strongest input signals.

Built-In Ferrite Bar Antenna Located on the back panel of the 5000, this sensitive antenna can be moved for best signal reception and usually eliminates the need for an outdoor AM antenna entirely.



3-Stage Preamplifier Section This section, a 3-stage direct-coupled amplifier circuit with an emitter follower for the final stage, possesses the most expensive transistorized head amplifiers available for outstanding RIAA and NAB characteristics, excellent linearity, and above all, a wider dynamic range. In addition, because of the emitter follower, any type of tape recorder can be used with the 5000.

Distortion-Free Tone Controls Negative feedback type tone controls keep distortion at a minimum. In addition, they have a friction-coupled design for complete bass and treble control of both right and left channels either simultaneously or independently.

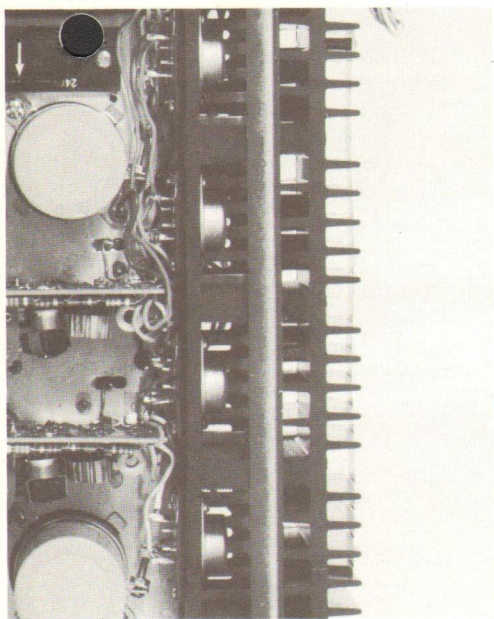


Powerful 180 Watt Output Stage Double Darlington circuits, a silicon transistor pre-driver and a complementary phase-inverter circuit are used to give the 5000's output stage its incomparably high output power, while ensuring exceptional stability, safety and low distortion. In figures, the 5000 delivers 180 watts in music power at 4 ohms and 140 watts at 8 ohms. Continuous power: 75/75 watts at 4 ohms and 55/55 watts at 8 ohms. Power bandwidth: 15 to 30,000 Hz. Distortion factor: less than 0.8%.

Switchable Damping Factor The 5000's damping factor can be switched to High (50) or Low (15). This makes it suitable for powering various speaker systems.

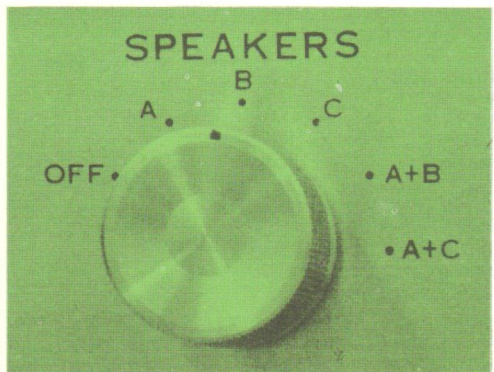
Double Protection for Power Transistors

While every epitaxial silicon power transistor used in the 5000 has been specially selected for its high permissible temperature characteristics, exclusive electronic protection devices are used to prevent them from becoming damaged by accidental shorting and quick-acting fuses protect them from overloads.



Aluminum Extruded Heat Sinks These expensive devices are placed away from the 5000's metal cover to prevent the transfer of heat from cover to heat sinks or from heat sinks to cover. The result is cool running in continuous use at full power for extended periods of time.

Three-System Speaker Selector A specially designed speaker selector and output terminals allow one or two speaker systems to be used individually or simultaneously as desired. Five selections are possible: 1) A system, 2) B system, 3) C system, 4) A+B systems and 5) A+C systems.

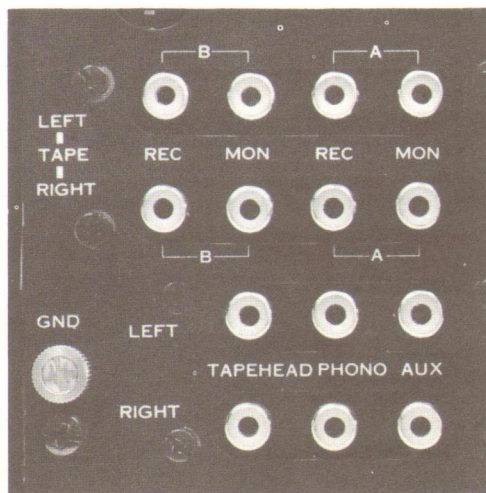
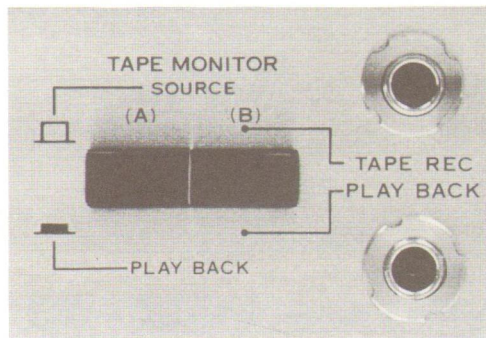


Power Transformer The 5000's brilliant performance begins deep within the receiver—in the power transformer itself—where Sansui's intimate knowledge and long experience in making transformers is reflected in a design featuring a copper short ring within and a hum-proof band on the outside.

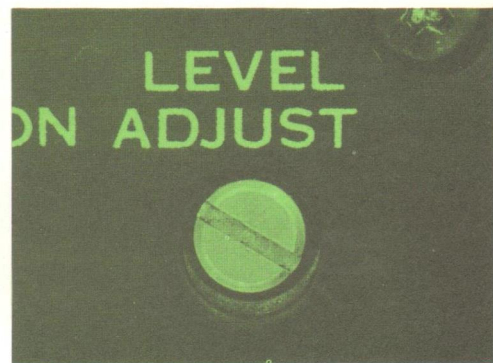
Two Circuits, Four Jacks for Recorders

Up to four tape recorders or decks can be connected with the Sansui 5000. One circuit handles both DIN connector and Pin Jack A (RCA type), allowing them to be used independently or simultaneously. The other circuit accommodates both Pin Jack B (RCA type) and the front panel jack, cutting out the former automatically when the latter is plugged into. The following variations are possible with the 5000:

1. Tape recordings can be made by recorders connected to Pin Jack A and Pin Jack B;
2. Dubbing can be made between recorders connected to Pin Jack A and Pin Jack B while monitoring;
3. Program sources can be recorded and monitored by one tape recorder while being recorded by the other;
4. Program sources can be recorded and monitored by two tape recorders simultaneously;
5. Playback from a recorder connected to DIN connector or Pin Jack A can be recorded by a recorder plugged into the same circuit, as well as by another recorder plugged into the Pin Jack B circuit.



Sub-Volume Control To prevent smaller speaker systems from becoming damaged by the 5000's large 180 watt power output, a sub-volume control on the rear panel has been provided. This control preadjusts the 5000's maximum output to a lower level to match the speakers being used.



Two Tuning Meters Fine tuning has never been as accurate as is possible with the 5000. One of the meters features a slide-rule dial system, the other features the zero-center tuning method. When both are at their best positions, the center of any channel has been pinpointed.





Black Window Design This striking design is as practical as it is attractive. When it is set to receive a broadcast, the dial scale illuminates clearly in light green with the dial pointer lighted orange in contrast for easy and precise tuning. When functions such as Tape, Phono or Aux are selected, the smoked acrylic face remains black with only the function visible.

Rear Panel Features Foolproof Output Terminals: Designed for easy connection. Just push a stopper knob, insert cord, and release the knob. Makes accidental shorting between terminals a thing of the past. Two AC Outlets: Allow other components to work off the 5000's power source. One of the outlets is controlled by the 5000's power switch. MPX Separation Adjustor: Located for quick and convenient access. Quick-Acting Fuses: Both screw in from the outside and can be replaced in seconds. Ground Terminal: Allows a better S/N ratio to be obtained.

Other Features
High- and Low-cut filters

Loudness Control
Headphone jack
DIN Connector
Muting switch
Stereo reverse and mono-stereo switches
Noiseless push button switches
Selector indicator
Protector indicator
Power indicator
Heavy flywheel for easy tuning

SPECIFICATIONS

AMPLIFIER SECTION:

POWER OUTPUT:
MUSIC POWER (IHF): 180W $\pm$ 1db at 4ohms
140W $\pm$ 1db at 8ohms
CONTINUOUS POWER (EACH CHAN.):
75W/75W $\pm$ 1db at 4ohms
55W/55W $\pm$ 1db at 8ohms
HARMONIC DISTORTION: less than 0.8% at rated output
POWER BANDWIDTH (IHF):
15 — 30,000Hz at 8ohms
FREQUENCY RESPONSE (AT NORMAL LISTENING LEVEL):
POWER AMPLIFIER SECTION: 10 — 50,000Hz $\pm$ 1.0db
AUX: 20 — 30,000Hz $\pm$ 1.5db
INPUT SENSITIVITY (FOR RATED OUTPUT):
PHONO: 2.5mV $\pm$ 3db
TAPE HEAD: 2.0mV $\pm$ 3db

AUX: 150mV $\pm$ 3db
TAPE MONITOR (Pin Jack): 200mV $\pm$ 3db
TAPE MONITOR (DIN): 200mV $\pm$ 3db

RECORDING OUTPUT:

(Pin Jack): 200mV $\pm$ 3db
(DIN): 40mV $\pm$ 3db

HUM AND NOISE (BELOW RATED OUTPUT):

VOLUME MINIMUM: better than 80db
PHONO: better than 65db
AUX: better than 70db

CHANNEL SEPARATION (AT RATED OUTPUT):

PHONO: better than 50db
AUX: better than 50db

OUTPUT IMPEDANCE:

from 4 to 16ohms

DAMPING FACTOR:

15 and 50 at 8ohms

EQUALIZER:

PHONO: RIAA, NF type

TAPE HEAD: NAB, NF type

CONTROLS AND SWITCHES:

BASS CONTROL: from +11db to -11db

TREBLE CONTROL: from +12db to -12db at 10,000Hz

LOUDNESS CONTROL: +8db at 50Hz, +3db at 10,000Hz (Volume control at -30db)

LOW FILTER: -10db at 50Hz

HIGH FILTER: -10db at 10,000Hz

MODE SWITCH: STEREO NORM / STEREO REV. STEREO / MONO

SELECTOR SWITCH: 1, TAPE HEAD 2, PHONO 3, AM 4, FM 5, FM AUTO 6, AUX

SPEAKER SWITCH: 1, OFF 2, SYSTEM A 3, SYSTEM B 4, SYSTEM C 5, SYSTEM A&B 6, SYSTEM A&C

TUNER SECTION:

FM:

FREQUENCY RANGE: from 88 to 108MHz

SENSITIVITY: 1.4 μ V $\pm$ 3db (20db quieting)

1.8 μ V $\pm$ 3db (IHF)

HARMONIC DISTORTION: less than 0.5%

SIGNAL TO NOISE RATIO: better than 65db

SELECTIVITY: better than 50db at 98MHz

CAPTURE RATIO: 1.5db (IHF)

IMAGE FREQUENCY REJECTION:

better than 90db at 98MHz

IF REJECTION: better than 100db at 98MHz

FM STEREO SEPARATION: better than 35db

SPIRIOUS RESPONSE REJECTION:

better than 95db at 98MHz

SPIRIOUS RADIATION:

less than 34db
300ohms balanced and 75ohms unbalanced

AM:

FREQUENCY RANGE: from 535 to 1,605KHz

SENSITIVITY (IHF): 15 μ V $\pm$ 3db at 1MHz

IMAGE FREQUENCY REJECTION:

better than 50db at 1MHz

IF FREQUENCY REJECTION:

better than 80db at 1MHz

SELECTIVITY: better than 20db at 1MHz

SEMICONDUCTORS:

TRANSISTORS, FET AND IC: Tr. 55, FET 1, IC 4,

DIODES: Di 38, ZD 2

VARISTORS: 4

SCR: 1

POWER REQUIREMENTS:

POWER VOLTAGE: 100, 117, 220, 240 Volts,

50 or 60Hz

POWER CONSUMPTION: 210VA (max.)

380VA (with AC outlet)

DIMENSIONS (excluding rubber feet)

WIDTH: 17 $\frac{1}{4}$ "

HEIGHT: 4 $\frac{7}{8}$ "

DEPTH: 14 $\frac{1}{2}$ "

WEIGHT: 29 lbs.

Sansui®

SANSUI ELECTRIC COMPANY LIMITED
14-1 2-CHOME, IZUMI, SUGINAMI-KU,
TOKYO, JAPAN / TELEX TOKYO: 232-2076

SANSUI ELECTRONICS CORPORATION
34-43 56th STREET, WOODSIDE, NEW YORK,
N.Y. 11377 / TELEX NEW YORK: 224412



5000

Mittelwellen und UKW-
Multiplex-Empfänger/Verstärker
FET und IC Schaltung
"Solid State" (Kompaktbau) 180 Watt

SANSUI's leistungsfähigster Empfänger/
Verstärker für den Stereo-Enthusiasten, der
das Beste wünscht, was Geld kaufen kann.
Ausgestattet mit den neuesten FET- und
IC-Kreisen für höhere Empfindlichkeit und
Trennschärfe beim UKW-Empfang, Möglichkeit
der Speisung von 3 Lautsprecher-Anlagen und
Betrieb von 4 Tonbandgeräten. Dadurch hat
der Typ 5000 mehr
Verwendungsmöglichkeiten, als ein Experte
sich wünscht, und mehr als jeder andere
Empfänger/Verstärker der Welt. U.a. 180 Watt
Ausgangsleistung, einen Frequenzbereich von
15—30,000 Hz mit einem Verzerrungswert von
weniger als 0.8% in allen Leistungsstufen,
doppelt gespreizte Frequenzeinstellung zwecks
besonderer Genauigkeit, separater Stereo-
Wahlschalter für den Empfang von Stereo-
Radio-Sendungen, Antenneneingänge von 75
und 300 Ohm, doppelte Lautstärkenregelung
und vieles mehr. Die Frontscheibe ist in
schwarzem Glas gehalten.

TECHNISCHE DATEN:

Verstärkerteil

Musikleistung (IHF): 180W ± 1 db bei 4 Ω

Dauerleistung: 75W/75W ± 1 db bei 4 Ω
Verzerrungswert: weniger als 0.8% im Verhältnis zum
Ausgang
Frequenzbereich: 15—30,000 Hz bei 8 Ω
Eingänge:
Phono: 2.5 mV ± 3 db
Tonband: 2.0 mV ± 3 db
Zusatzgeräte: 150 mV ± 3 db
Tonband Monitor (Einzelbuchsen): 200 mV ± 3 db
Tonband Monitor (DIN): 200 mV ± 3 db
Geräuschwerte: (unter gegebener Ausgangsleistung):
Lautstärke-Minimum: mehr als 80db
Phono: 65db, Zusatzgeräte: 70db
Dämpfungsfaktor: 15 und 50 bei 8 Ω

UKW-Empfangerteil

Frequenzband: 88 bis 108 MHz
Empfindlichkeit: 1.4 μ V ± 3 db (20db Unterdrückung)
1.8 μ V ± 3 db (IHF)
Trennschärfe größer als 50db bei 98 MHz
Einstellungsgenauigkeit: 1.5db (IHF)
UKW-Stereo-Trennung: größer als 35db

Mittelwellen-Empfangerteil

Bandbreite: 535—1,605 KHz
Empfindlichkeit (IHF): 15 μ V ± 3 db auf 1 MHz
Trennschärfe: größer als 20db auf 1 MHz
Transistoren: 55 FET: 1 und IC: 4
Dioden: 40 Varistoren: 4 SCR: 1
Netzspannungen: 100/117/220/240 Volt 50 oder 60 Hz
Leistungsaufnahme: 210 VA (max)
Abmessungen (ohne Gummiuntersätze)
Breite: 438 mm $\times$ Höhe: 123 mm $\times$ Tiefe: 368 mm
Gewicht: ca. 13 kg



5000

AM/FM Multiplex Stereo Tuner Amplifier
FET and IC Circuitry. Solid State 180 Watts

Sansui's most powerful all transistorized tuner amplifier for the stereo enthusiast who demands the very best money can buy. From the latest FET and IC front end for increased FM sensitivity and selectivity, to the ability to handle up to three speaker systems and four tape recorders at the same time, the 5000 combines more features preferred by experts than any other receiver in the world. Among them: 180 watts in power output, a bandwidth from 15 to 30,000Hz with a distortion factor of less than 0.8% at all power levels, double tuning meters for more accurate tuning, a Stereo Only selector for selecting stereo broadcasts exclusively, 75 and 300 ohms antenna inputs, double volume control and many others. Plus functional black dial window styling.

SPECIFICATIONS

Amplifier Section

Music Power (IHF): 180 watts ± 1 db at 4 Ω
Continuous Power: 75/75 watts ± 1 db at 4 Ω
Harmonic Distortion: less than 0.8% at rated output

Power Bandwidth (IHF): 15—30,000Hz at 8 Ω
Input Sensitivity (For Rated Output):

Phono: 2.5 mV ± 3 db
Tape Head: 2.0 mV ± 3 db
Aux: 150 mV ± 3 db

Tape Monitor (Pin): 200 mV ± 3 db
Tape Monitor (DIN): 200 mV ± 3 db
Hum and Noise (Below Rated Output):
Volume Minimum: better than 80 db
Phono: 65 db Aux: 70 db

Damping Factor: 15 and 50 at 8 Ω

FM Tuner Section

Frequency Range: 88—108MHz
Sensitivity: 1.4 μ V ± 3 db (20 db quieting)
1.8 μ V ± 3 db (IHF)

Selectivity: better than 50 db at 98 MHz
Capture Ratio: 1.5 db (IHF)

FM Stereo Separation: better than 35 db

AM Tuner Section

Frequency Range: 535—1,605KHz
Sensitivity (IHF): 15 μ V ± 3 db at 1 MHz
Selectivity: better than 20 db at 1 MHz
Transistors: 55 FET: 1 and IC: 4

Diodes: 40 Varistors: 4 SCR: 1
Power Voltage: 100, 117, 220 and 240V,
50 or 60 Hz

Power Consumption: 210VA (max.)

Dimensions (excluding rubber feet)

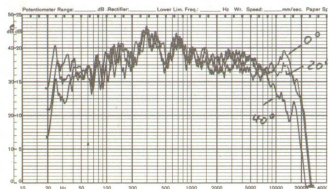
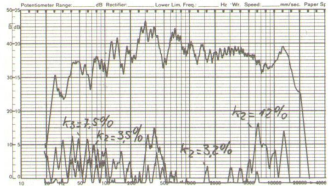
4 $\frac{1}{8}$ "H $\times$ 17 $\frac{1}{4}$ "W $\times$ 14 $\frac{1}{2}$ "D

Weight: 29 lbs.

Nennbelastbarkeit 30 W. Musikbelastbarkeit 40 W. Unverbindlicher Richtpreis inklusive MWSt. 375,- DM.

Meßergebnisse

Praktische Betriebsleistung 1,9 W. Baß-Eigenresonanz bei 60 Hz. Schalldruckkurve, k_2 und k_3 Bild 2. Richtcharakteristik Bild 3.



Kommentar

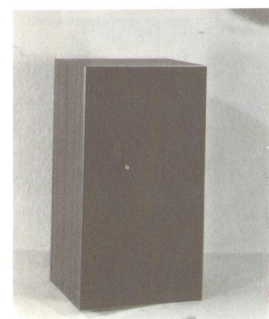
Recht ausgeglichene Schalldruckkurve. Anhebungen und Einbrüche zwischen 300 und 700 Hz verursachen musikalisch nicht unangenehm empfundene Verfärbungen. k_2 -Verhalten gut, k_3 könnte insbesondere bei 6 kHz kleiner sein. Höhenabstrahlung ziemlich stark gerichtet.

Musik-Hörtest

Recht ausgewogen, warmer Klang, aber nicht ganz verfärbungsfrei, untere Mitten betont, kräftiger Baß.

Gesamturteil: Gute Box

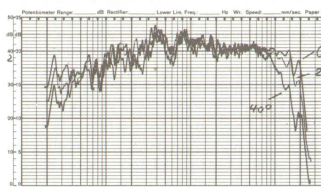
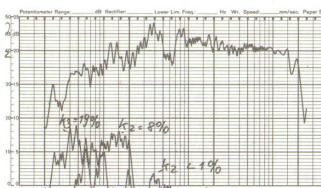
B&O Beovox 1702



Zweiweg-Kleinbox. 150 mm T-MT, 27 mm K-HT. Übergangsfrequenz 5000 Hz. Bruttovolumen 7 l. Abmessungen 180 x 330 x 180 mm. Impedanz 4 Ohm. Nennbelastbarkeit 20 W. Musikbelastbarkeit 40 W. Gebundener Preis 298,- DM.

Meßergebnisse

Praktische Betriebsleistung 6,8 W. Baß-Eigenresonanz 70 Hz. Schalldruckkurve, k_2 und k_3 Bild 2. Richtcharakteristik Bild 3.



Kommentar

Von 1 kHz bis 20 kHz sehr ausgeglichene und günstig verlaufende Schalldruckkurve, dürfte nur vielleicht ein bißchen früher abfallen. Sehr gutes Klirgradverhalten. Recht breite Höhenabstrahlung.

Musik-Hörtest

Höhen ganz leicht zur Schärfe neigend, ausgewogenes Klangbild, lediglich im Baß naturgemäß etwas schwach.

Gesamturteil: Gute Kleinbox

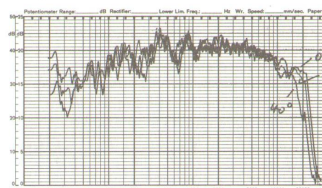
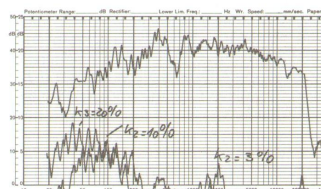
KEF Coda



Zweiweg-Kleinbox. 90 mm T-MT, 27 mm K-HT. Übergangsfrequenz 3500 Hz. Bruttovolumen 14 l. Abmessungen 230 x 330 x 150 mm. Impedanz 8 Ohm. Nennbelastbarkeit 20 W. Musikbelastbarkeit 30 W. Unverbindlicher Richtpreis inklusive MWSt. 252,- DM.

Meßergebnisse

Praktische Betriebsleistung 9,8 W. Baß-Eigenresonanz 65 Hz. Schalldruckkurve, k_2 und k_3 Bild 2. Richtcharakteristik Bild 3.



Kommentar

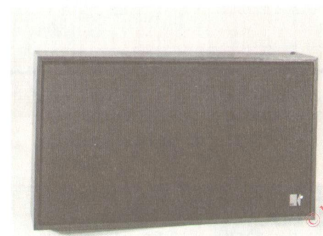
Recht zweckmäßiger Verlauf der Schalldruckkurve. Gutes Klirgradverhalten. Sehr breite Höhenabstrahlung.

Musik-Hörtest

Ausgewogenes Klangbild, Höhen ohne Schärfe, etwas wenig Präsenz, extremer Baßbereich naturgemäß etwas schwach.

Gesamturteil: Sehr gute Kleinbox. Gut als Rück-Box bei Quadrofonia zu verwenden.

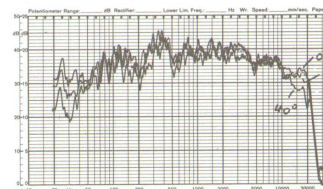
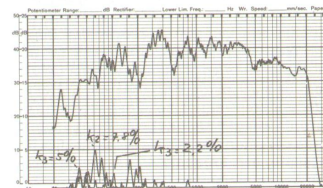
KEF Cantor



Zweiweg-Regalbox. 150 mm T-MT, 27 mm K-HT. Übergangsfrequenz 3500 Hz. Bruttovolumen 17 l. Abmessungen 280 x 470 x 120 mm. Impedanz 8 Ohm. Nennbelastbarkeit 20 W. Musikbelastbarkeit 30 W. Unverbindlicher Richtpreis 305.25 DM.

Meßergebnisse

Praktische Betriebsleistung 9,8 W. Baß-Eigenresonanz 65 Hz. wenig bedämpft. Schalldruckkurve, k_2 und k_3 Bild 2. Richtcharakteristik Bild 3.



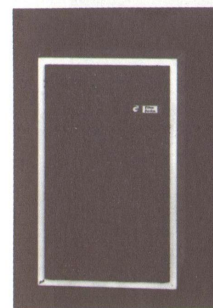
Kommentar

Da sicher der gleiche Kalotten-Hochtöner verwendet wird wie in der Coda, scheint bei dieser Cantor eine Fertigungsstreuung vorzuliegen. Sehr gutes Klirgradverhalten. Breite Höhenabstrahlung.

Musik-Hörtest

Warmer, etwas mittigenbetonter Klang, ganz leichter Brillanzmangel, mehr Volumen als Coda und kräftigere Bässe. Gute kleine Regalbox. Kann auch als Flachbox eingesetzt werden.

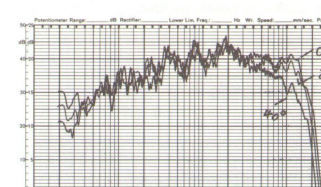
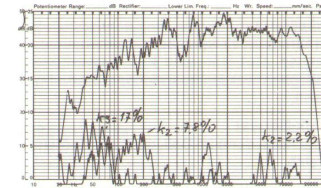
F. I. Box C200



Kleine Zweiweg-Regalbox. 165 mm T-MT, 65 mm HT. Übergangsfrequenz 2500 Hz. Bruttovolumen 10 l. Abmessungen 205 x 340 x 210 mm. Impedanz 4-8 Ohm. Nennbelastbarkeit 20 W. Unverbindlicher Richtpreis 253,- DM.

Meßergebnisse

Praktische Betriebsleistung 2 W. Baß-Eigenresonanz 85 Hz. Schalldruckkurve, k_2 und k_3 Bild 2. Richtcharakteristik Bild 3.



Kommentar

Schalldruckkurve läßt Bevorzugung der hohen Mitten und sehr frühen Abfall im Baßbereich erkennen. Ordentliche Höhenabstrahlung.

Musik-Hörtest

Zu stark betonte obere Mitten und Höhen, zu schwache untere Mitten und noch weniger Baß, klingt etwas spitz.

Gesamturteil: Brauchbare Kleinbox

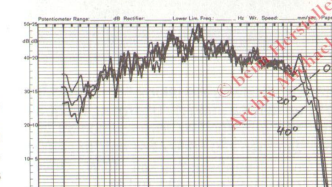
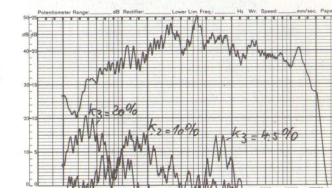
F. I. Box C300

Kleine Zweiweg-Regalbox. 175 mm T-MT, 58 mm HT. Übergangsfrequenz 2500 Hz. Bruttovolumen 15 l. Abmessungen 240 x 390 x 250 mm. Impedanz 4-8 Ohm. Nennbelastbarkeit 30 W. Unverbindlicher Richtpreis 308.60 DM.



Meßergebnisse

Praktische Betriebsleistung 4,5 W. Baß-Eigenresonanz 65 Hz. Schalldruckkurve, k_2 und k_3 Bild 2. Richtcharakteristik Bild 3.



Aufgabe an Computer: Neue Hifi-Boxen

Abmessung:
Wirkungsgrad:
Klang:
Leistung:
Design:
Lösung:

kleiner
höher
voller
stärker
schöner
SUMMIT Skyline mit
UNILOC-TWINPLAY

Schreiben Sie uns - Informationsmaterial
senden wir kostenlos.

Summit

Hans G. Hennel GmbH + Co KG · 6393 Wehrheim/Ts · Postfach