

## SPECIFICATIONS

### POWER OUTPUT:

80 Watts RMS continuous power stereo, 40 Watts per channel, both channels operating simultaneously into 8 ohm loads at any frequency from 20 Hz. to 20,000 Hz, 70% D.W.

Each channel operating into 4 ohms at 1,000 Hz, 56/55 Watts.

Each channel operating into 8 ohms at 1,000 Hz, 57+57 Watts.

Both channels operating into 4 ohms at 1,000 Hz, 43+43 Watts.

Both channels operating into 8 ohms at 1,000 Hz, 220 Watts P.P.F. total Dynamic Power into 4 ohms, 130 Watts I.H.F. total Dynamic Power into 8 ohms.

### HARMONIC DISTORTION:

Less than 0.5% at rated output from 20 Hz to 20,000 Hz. Less than 0.05% at -3 dB rated output.

**Intermodulation Distortion (80 Hz & 7,000 Hz 4:1):**  
Less than 0.2% at rated output.  
Less than 0.05% at -3 dB rated output.

### Power Bandwidth (B.W.):

10 Hz to 50,000 Hz.

### Input Sensitivity, Input Impedance

(For rated output, at 1,000 Hz):

PHONO 1:	2.5 mV	50 k ohms
PHONO 2:	2.5 mV	50 k ohms
MIC:	5 mV	50 k ohms
TUNER:	200 mV	100 k ohms
AUX 1 & 2:	200 mV	100 k ohms
TAPE PLAY, A & B (Pin):	200 mV	100 k ohms
MAIN AMP INPUT:	1V	50 k ohms

### Recording Output (below rated input):

TAPE REC. A & B:	200 mV
DIN CONNECTOR:	40 mV

**Signal to Noise Ratio (below rated output):**

PHONO 1 & 2:	89 dB
MIC:	79 dB
TUNER:	75 dB
AUX 1 & 2:	75 dB
TAPE PLAY A & B:	75 dB
NOISE AT MINIMUM VOLUME CONTROL:	0.3mV at 8 ohm load, 0.000012 milliwatts.

### Damping Factor:

84 at 16 ohms load  
32 at 8 ohm load

### Speaker Impedance:

Accepts 4 to 16 ohms  
110 dB at 100 Hz with 2 dB step switch.

### Bass Control:

±10 dB at 10,000 Hz with 2 dB step switch.  
40 Hz Cutoff, 12 dB per octave.  
80 Hz Cutoff, 12 dB per octave.

### High Filter:

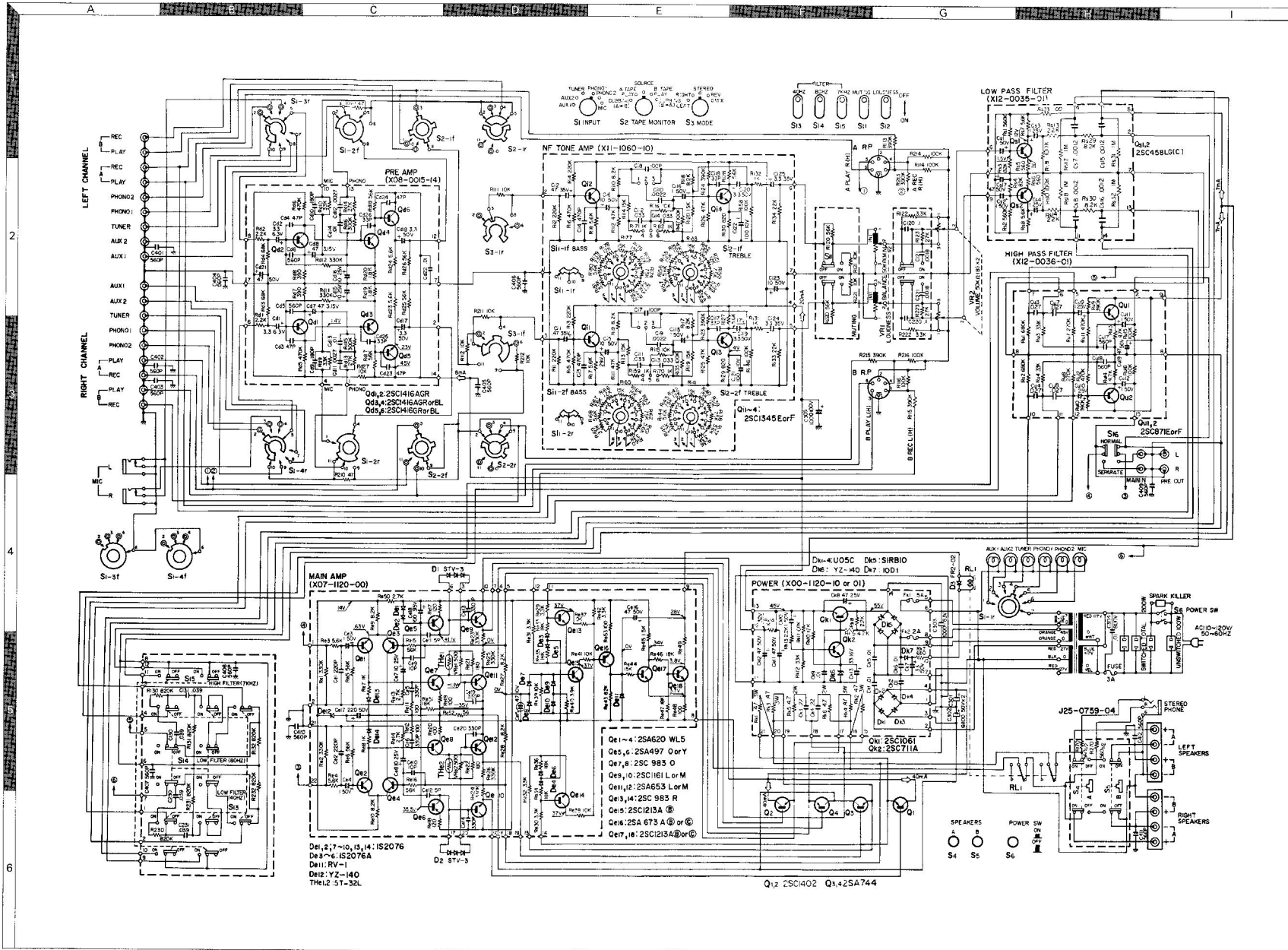
7,000 Hz Cutoff, 6 dB per octave.  
Loudness Control (-30 dB):  
+8 dB at 100 Hz  
+3 dB at 10,000 Hz

### GENERAL:

**Switches:**  
SPEAKERS: A, B (ON-OFF at push switch).  
INPUT SELECTOR: A, B (ON-OFF at push switch), PHONO 1, PHONO 2, MIC.  
MODE: LEFT, RIGHT, STEREO, REV.  
TAPE MONITOR: DUBBING (A-B), A PLAY, DUBBING (B), B PLAY, DUBBING (REV).  
OTHERS: LOW & HIGH FILTER, LOUDNESS, MUTING, POWER.  
**AC Outputs:** 110 Watts (regulation law for electrical appliance and material).  
**Power Consumption:** 270 Watts at full power, 23 Watts at no signal, 100 Watts (regulation law for electrical appliance and material).  
**Dimensions:** 17-1/8" W, 6-1/32" H, 11-1/3" D.  
(435W, 163H, 300D mm)  
**Weight:** 25.4 lbs. (11.5 kg)

### SPECIAL FEATURES:

- \* DIRECT Coupling Power Amplifier With Constant Current Driving Circuits.
- \* Tape monitor and Dubbing Switch, for 2 tape recorders.
- \* 2 sets Stereo Speaker terminals and front panel speaker selector switch.
- \* 12 dB per octave cutoff Low Filters and 6 dB per octave cutoff High Filter.
- \* 2 dB step type tone controls with tone control switch (150 Hz & 300 Hz, 2,000 Hz & 6,000 Hz).
- \* Perfect protection circuit for power transistors and speaker.
- \* HIGH QUALITY & RELIABILITY design.
- \* Light up input indicators.



D1: 2: 7-10, 13, 14: IS2076  
D3: 4: IS2076A  
D11: RV-1  
D12: YZ-140  
T1: 12: 51-32L

Q12: 2SC1402 Q3: 2SA744

SPEAKERS  
A B  
S4 S5  
POWER SW  
ON OFF