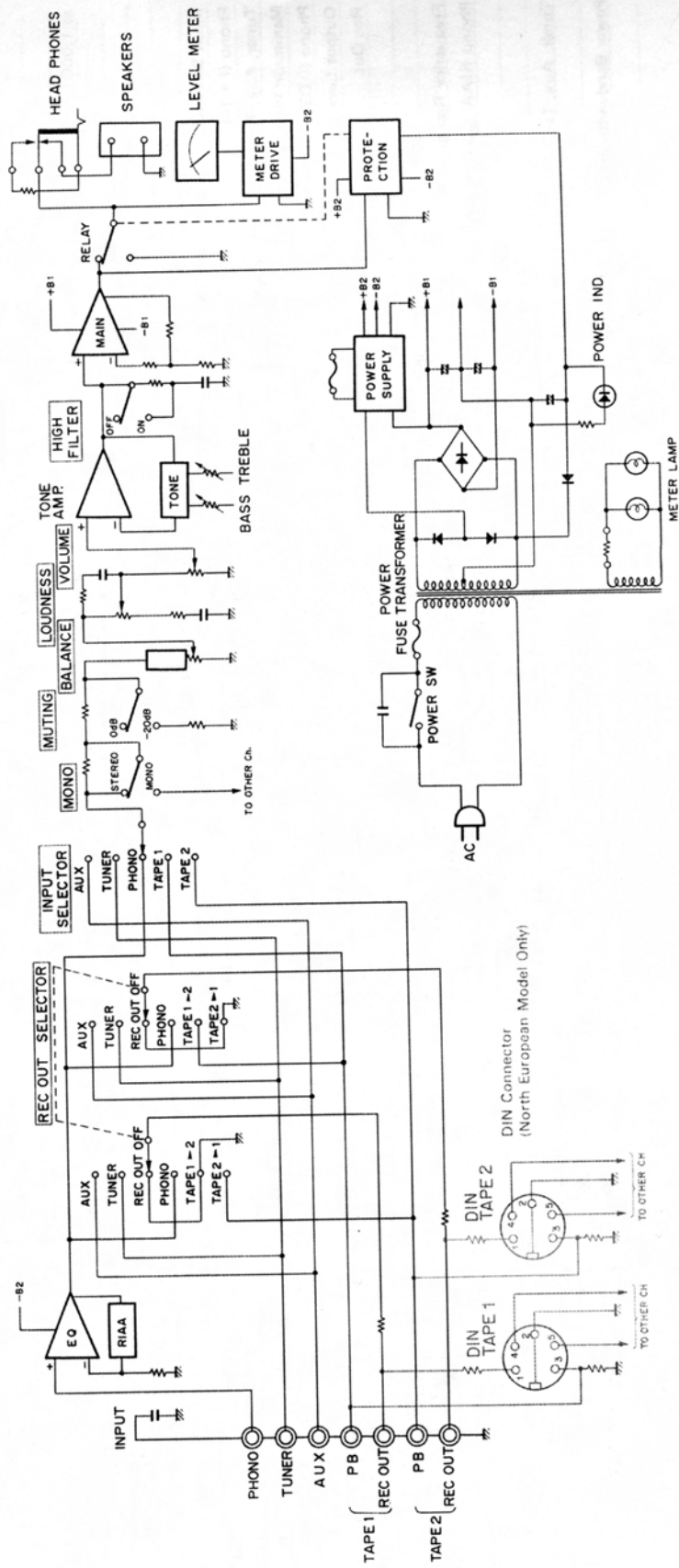


CA-510

BLOCK DIAGRAM



CA-510

SPECIFICATIONS

Output Power

Continuous rms power (both channels driven, TUNER → Sp Out)
 20 to 20,000 Hz 8Ω 35 + 35 watts at 0.05% T-H-D
 4Ω 40 + 40 watts at 0.1% T-H-D
 at 1,000 Hz 8Ω 40 + 40 watts at 0.05% T-H-D
 4Ω 45 + 45 watts at 0.1% T-H-D

Input Sensitivity/Impedance

4Ω 53 + 53 watts (DIN)
 Phono (f = 1kHz) 3.0 mV/47 kΩ
 Tuner, Aux, Tape PB 150mV/47kΩ

Maximum Input Levels

Phono (0.05% T-H-D) more than 135mV at 1kHz
 Output Level/Impedance
 Rec Out 150mV/600Ω
 (rated power)
 DIN 30mV/80kΩ

Frequency Response

Phono RIAA deviation (PHONO → REC OUT)
 30 Hz to 15kHz +0.3dB, -0.3dB
 Tuner, Aux, Tape PB → Sp Out 8Ω
 20Hz to 20kHz ±0.5dB
Power Bandwidth into 8Ω, 17.5W, 0.05% T-H-D
 10 to 40,000Hz

Tone Control Characteristics

Bass turnover frequencies 500 Hz
 Bass boost/cut ±10 dB at 20 Hz
 Treble turnover frequencies 3kHz
 Treble boost/cut ±10 dB at 20 kHz

Filter & Loudness Control Characteristics

High fc = 8 kHz -6dB/octave
 Loudness Level-related equalizer
Signal-to-Noise Ratio (IHF-A Network)
 Phono 85 dB (for 10 mV shorted)

Tuner, Aux, Tape PB

100 dB
 Residual noise 160μV

Total Harmonic Distortion Ratio

Phono to Rec Out (20 Hz ~ 20 kHz) 0.01% 1V output
 Tuner, Aux, Tape PB to Sp Out (1kHz) 0.01% 17.5W/8Ω output

IM Distortion Ratio (60 Hz : 7 kHz = 4 : 1)

Tuner, Aux, Tape PB → Sp Out 0.02% 17.5W/8Ω output

N-D-C-R (Phono → Sp Out, 0.1% T-H-D, Vol. at -20 dB, 1kHz)

Damping Factor at 1 kHz 30mW~35W
 Better than 50 into 8Ω

General

Semiconductors Transistors 45
 Diodes 23
 LED 1
 AC outlets (General & Canadian models only)
 SWITCHED 2
 UNSWITCHED 1
 Power supplies 110/120/130/220/230/
 240V, 50/60Hz (General, Europe & British),
 240V 50Hz (Australia),
 220V 50Hz (North Europe), 120V 60Hz (Canada)
 Power consumption 210W/250VA (General & Canada), 300W (others)
 Dimensions (W x H x D) 435 x 139 x 333mm
 (17-1/8" x 5-7/16" x 13-1/8")
 Weight 7.8kg (17 lbs 3 oz)

*About Canadian Model:
 External painting is in City Gray.
 For other destinations, it is in American Walnut*

Specifications subject to change without notice.