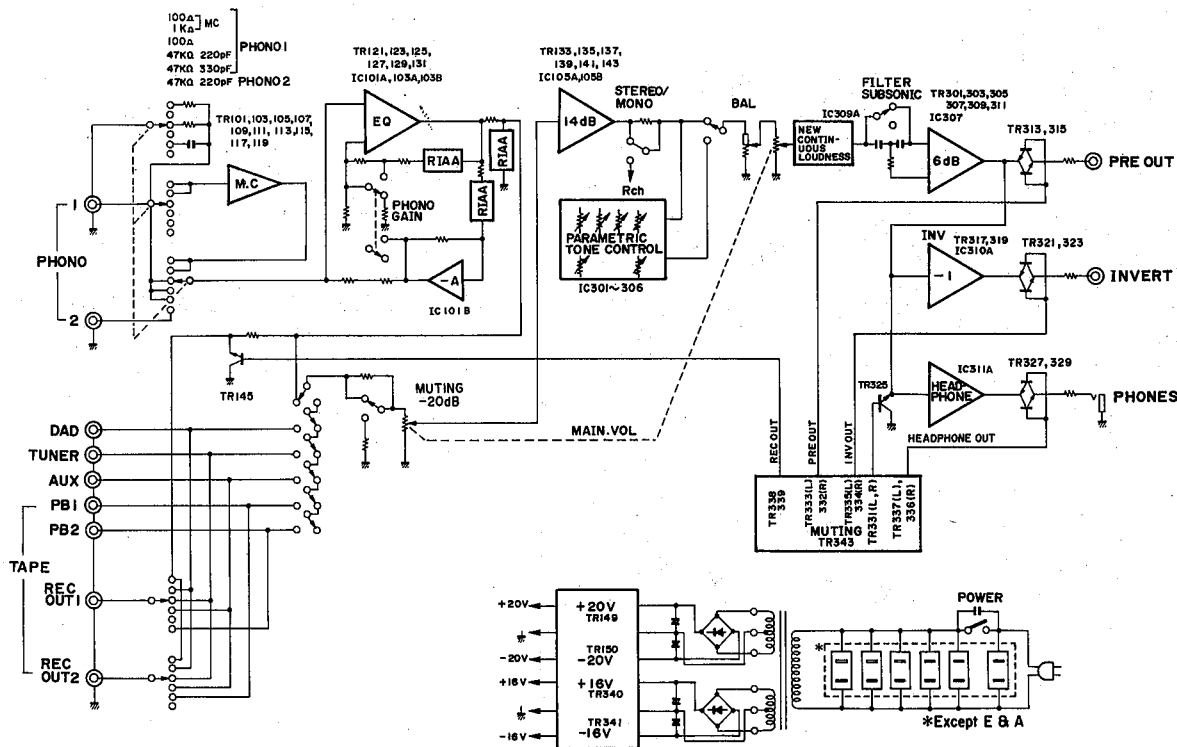


## BLOCK DIAGM



## SPECIFICATIONS

|  |   |
|--|---|
| <b>Input Sensitivity/Impedance</b>                             |   |
| Phono 1 MC   | 100 $\mu$ V/100 $\Omega$ , 1k $\Omega$            |
| MM   | 2.5mV/100 $\Omega$ , 47k $\Omega$<br>(220P, 330P) |
| Phono 2 MM   | 2.5mV/47k $\Omega$ , (220P)                       |
| DAD, Aux, Tape, Tuner  | 150mV/47k $\Omega$                                |
| <b>Input Sensitivity (New IHF)</b>                             |   |
| Phono MC   | 33 $\mu$ V  |
| MM   | 0.83mV  |
| DAD, Aux, Tape, Tuner  | 50mV  |
| <b>Maximum-Input Signal (1kHz, 0.01% THD)</b>                  |   |
| Phono MC   | 20mV  |
| MM   | 500mV   |
| <b>Output Level/Impedance</b>                                  |   |
| Rec Out  | 150mV/600 $\Omega$                                |
| Pre Out  | 1.5V/47 $\Omega$                                  |
| <b>Maximum Voltage Output</b>                                  |   |
| 20Hz ~ 20kHz 1% THD  |   |
| Pre Out  | 8.5V  |
| <b>Headphone Jack Rated Output/Impedance</b>                   |   |
| 0.01% THD 1kHz   | 6V/100 $\Omega$                                   |
| <b>Frequency Response (Tone Bypass ON)</b>                     |   |
| DAD, Aux, Tape, Tuner 20Hz ~ 20kHz                             | +0 dB<br>-0.2                                     |
| <b>RIAA Equalization Deviation</b>                             |   |
| Phono MC/MM 20Hz ~ 20kHz                                       | $\pm$ 0.2dB                                       |
| Phono MM/MM 10Hz ~ 100kHz                                      | $\pm$ 0.5dB                                       |
| <b>Total Harmonic Distortion</b>                               |   |
| Phono MC to Rec Out 3V   | 0.001%  |
| Phono MM to Rec Out 3V   | 0.001%  |
| DAD, Aux, Tape, Tuner to Pre Out 3V<br>(Tone Bypass ON)        | 0.001%  |
| <b>Intermodulation Distortion (Tone Bypass ON)</b>             |   |
| DAD, Aux, Tape, Tuner 5V output                                | 0.002%  |
| <b>Signal to Noise Ratio (IHF-A-Network)</b>                   |   |
| Phono MC (500 $\mu$ V Input Shorted)                           | 91dB  |
| Phono MM (5mV Input Shorted)                                   | 95dB  |
| DAD, Aux, Tape, Tuner<br>(Tone Bypass ON, 150mV Input Shorted) | 106dB   |
| <b>Signal to Noise Ratio (New IHF)</b>                         |   |
| Phono MC   | 81dB  |
| MM   | 83dB  |
| DAD, Aux, Tape, Tuner  | 103dB   |

|   |   |
|---|---|
| <b>Residual Noise (IHF-A-Network)</b>                           | 1.5 $\mu$ V   |
| <b>Channel Separation</b>                                       |   |
| Phono MM (Input Short) 40Hz                                     | 85dB  |
| 1kHz  | 80dB  |
| 10kHz   | 70dB  |
| Aux, Tape (5.1k $\Omega$ ) 40Hz                                 | 85dB  |
| 1kHz  | 70dB  |
| 10kHz   | 50dB  |
| <b>Parametric Tone Control</b>                                  |   |
| Frequency Low   | 31.5Hz ~ 800Hz                                      |
| High  | 800Hz ~ 20kHz                                       |
| Level Low, High   | $\pm$ 12dB  |
| Bandwidth Low, High   | Q 0.3 ~ 3.0   |
| <b>Filter Characteristics</b>                                   |   |
| Subsonic  | 15Hz, -12dB/oct                                     |
| <b>Continuous Loudness Control (Level-related equalization)</b> |   |
| Attenuation   | 40dB (1kHz)   |
| <b>Audio Muting</b>   |   |
|   | -20dB   |
| <b>Gain Tracking Error (0 ~ -60dB)</b>                          |   |
|   | 2dB   |
| <b>Power Supply</b>   |   |
| U.S.A. & Canadian models  | 120V AC, 60Hz                                       |
| General model   | 110 ~ 130V AC/220 ~ 240V AC<br>50/60Hz              |
| European model  | 220 ~ 240V AC, 50Hz                                 |
| Australian model  | 240V AC, 50Hz                                       |
| <b>Power Consumption</b>  |   |
|   | 30W   |
| <b>AC Outlet (U.S.A., Canadian and General models)</b>          |   |
| Switched x 5  | 200W max  |
| Unswitched x 1  | 800W max (U, C)<br>400W max (R)                     |
| <b>Dimensions (W x H x D)</b>                                   |   |
|   | 435 x 95 x 380 mm<br>(17-1/8" x 3-3/4" x 14-15/16") |
| <b>Weight</b>   |   |
|   | 6.8kg (14 lbs. 15 oz.)                              |

Specifications subject to change without notice.

- (U) . . U.S.A. model
- (C) . . Canadian model
- (A) . . Australian model
- (E) . . European model
- (R) . . General model