

VACUUM STATE TECHNOLOGY

Duo-Beta Stereo Preamplifier

CL34
NEW

Slim, compact preamp totally outperforming conventional tube units. With adoption of Duo-Beta circuitry into vacuum state configuration, now true high fidelity performances are realized in all vital spheres – extended frequency response, low distortion, high S/N ratio, etc.

Stereo Power Amplifier

MQ68C

The latest and most innovative concepts in tube technology to seek for not "sound" but "musicality". Selectable between no NFb (Negative Feedback) and minimal 16dB NFb functions only to eliminate displeasing TIM (Transient Intermodulation Distortion).



SPECIFICATIONS

OUTPUT VOLTAGE/2V (typ.) 10V (max.) T.H.D. 0.008% at 2V, 20Hz~20kHz. FREQUENCY RESPONSE/3Hz~70kHz (-1dB). INPUT SENSITIVITY/2.2mV (phono), 170mV (aux, tuner). INPUT IMPEDANCE/50k ohms (phono), 70k ohms (aux, tuner). S/N RATIO/80dB (phono, IHF-A, input shorted). PHONO OVERLOAD VOLTAGE/300mV (RMS, 1kHz). OUTPUT IMPEDANCE/Pre-Out to Main Amp; 560 ohms, Rec Out; 680 ohms. CONTROLS & SWITCHES/Subsonic Filter, Tone Control Defeat, Low-Cut Filter, Two Tape Monitors, Tape Dubbing, Attenuator (-20dB, normal, signal off), Headphone Jack (DC headphone amp). VACUUM TUBE COMPLEMENT/12AX7 (four), 12AU7 (four). POWER CONSUMPTION 60 watts. DIMENSIONS/438(W) x 77(H) x 322(D) mm (17.3" x 3.1" x 12.7"). WEIGHT/6.4kgs (14.0 lbs.).



SPECIFICATIONS

POWER OUTPUT/16dB NFb; 30 watts per channel RMS into 8 or 4 ohm loads, 20 watts per channel RMS into 16 ohms, 25 watts per channel RMS with both channels driven into 8 ohms at any frequency from 50Hz to 15kHz, Zero NFb; 25 watts per channel RMS into 8 ohms. T.H.D./16dB NFb; less than 0.05% (1kHz at 10 watts into 8 ohms), no more than 0.4% (1kHz at rated power output into 8 ohms), Zero NFb; no more than 0.3% (1kHz at 10 watts into 8 ohms). FREQUENCY RESPONSE/16dB NFb; 10Hz~60kHz (-1dB), Zero NFb; 10Hz to 30kHz (-1dB). INPUT SENSITIVITY/770mV. INPUT IMPEDANCE/16dB NFb; 100k ohms, Zero NFb; 50k ohms. S/N RATIO/16dB NFb; better than 105dB, Zero NFb; better than 95dB (both measurements with input shorted, IHF-A weighted). CONTROLS & SWITCHES/Feedback Switching Control, Input Level Controls for each channel. VACUUM TUBE COMPLEMENT/50CA10 (four), 6240G (two), 6267/EF86 (two). OUTPUT TRANSFORMERS/OY15-6KHP High Power Type (two). POWER CONSUMPTION/160 watts. DIMENSIONS/410(W) x 160(H) x 183(D) mm (16.1" x 6.3" x 7.2"). WEIGHT/13.8kgs (30.0 lbs.).