

ANALOG LINE STAGE (N85805 ONLY) Line Input Impedance: Balanced (XLR): 20k Ω ; Single-ended (RCA): 10k Ω Volume Control: Balanced; voltage mode; digitally-controlled resistor network Gain: 8.5dB maximum Output Impedance: 55 Ω Output Overload: >4.5V RMS Frequency Response: 20Hz to 20kHz, ± 0.03 dB; <2Hz to 210kHz, +0.1/-3dB (At unity gain volume setting) Total Harmonic Distortion: <0.01%, 1kHz; <0.03%, 20 kHz; 2V RMS output (At unity gain volume setting) Signal-To-Noise Ratio: >96dB (20Hz to 20kHz, A-weighted); >93dB (20Hz to 20kHz, wideband, unweighted) (Referred to 2V RMS output, unity gain volume setting) Input Sensitivity: 53mV RMS at line input for 2.83V RMS at speaker output, maximum volume setting System Gain: 34.5dB, line input to speaker output, maximum volume setting

PHONO STAGE (N85805 ONLY) Rias Frequency Response: 20Hz to 20kHz, ± 0.3 dB Infrasonic Filter: Selectable; 20Hz, 1st order (6dB/octave)

MOVING-MAGNET MODE Input Resistance: 47k Ω Input Capacitance: Selectable; 20, 70, 120, 170pF Gain: 39dB at 1kHz Total Harmonic Distortion: <0.01%, 1kHz, 2V RMS output; <0.05%, 20kHz, 2V RMS output Signal-To-Noise Ratio: >90dB (20Hz to 20kHz A-weighted, referred to 2V RMS output) Signal-To-Noise Ratio: >78dB (20Hz to 20kHz, wideband, unweighted, referred to 2V RMS output) Maximum Input Level: >190mV at 1kHz; >1.6V at 20kHz

MOVING-COIL MODE Input Resistance: Selectable, 37 Ω to 1000 Ω Gain: 69dB at 1kHz Total Harmonic Distortion: <0.01%, 1kHz, 2V RMS output; <0.06%, 20kHz, 2V RMS output Signal-To-Noise Ratio: >71dB (20Hz to 20kHz A-weighted, referred to 2V RMS output); Signal-To-Noise Ratio: >66dB (20Hz to 20kHz, wideband, unweighted, referred to 2V RMS output) Maximum Input Level: >6.5mV at 1kHz; >19mV at 20kHz

DIGITAL-TO-ANALOG CONVERTER STAGE Output Voltage: 5.7V RMS at maximum volume/full scale (0dBFS) Frequency Response: 20Hz to 20kHz, +0/-0.05dB (44.1kHz/16 bit signal); 20Hz to 20kHz, +0/-0.02dB (192kHz/24 bit signal) Total Harmonic Distortion: <0.0025%, 20Hz to 20kHz, at 3V RMS output (192kHz/24 bit signal); <0.003%, 20Hz to 20kHz, at 3V RMS output (44.1kHz/16 bit signal); <0.006%, 90kHz, at 3V RMS output (192kHz/24 bit signal) Signal-To-Noise Ratio: >100dB (20Hz to 20 kHz, 192kHz/24 bit signal, A-weighted); >98dB (20Hz to 20 kHz, 192kHz/24 bit signal, wideband, unweighted); >94dB (20Hz to 20 kHz, 44.1kHz/16 bit signal, A-weighted); >92dB (20Hz to 20 kHz, 44.1kHz/16 bit signal, wideband, unweighted) Referred to 3VRMS output Sample Rates/Bit Depth: PCM: 32, 44.1, 48, 88.2, 96, 176.4, 192, 352.8, or 384kHz; up to 32 bits; DSD: Native or DoP; single, double, or quad speed (2.8, 5.6, or 11.2MHz) Digital Processing: Full MQA decoding; PCM: Seven user-selectable digital filter settings; user-selectable up-sampling to 352.8/384kHz; DSD: Four user-selectable digital filter settings

HEADPHONE OUTPUT Total Harmonic Distortion: <0.04%, 20Hz and 1kHz, 2V RMS output, 30 Ω load; <0.10%, 20kHz, 2V RMS output, 30 Ω load Output Overload: >3.3V RMS, 30 Ω load Signal-To-Noise Ratio: >91dB (20Hz to 20kHz, A-weighted, referred to 2V RMS output); >87dB (20Hz to 20kHz, wideband, unweighted, referred to 2V RMS output Output Impedance: <2.5 Ω , 20Hz to 20kHz

AMPLIFIER SECTION Frequency Response: <2Hz to 20kHz, +0/-0.2 dB; <2Hz to 100kHz, +0/-3dB Signal-To-Noise Ratio: >103dB (20Hz to 20 kHz, A-weighted); >100dB (20Hz to 20 kHz, wideband, unweighted) Total Harmonic Distortion + Noise: <0.035% at 1kHz, 125W, 8 Ω ; <0.18% at 20kHz, 125W, 8 Ω Output Power: 125W RMS per channel at 8 Ω , 20Hz to 20kHz Output Impedance: <0.098 Ω , 20Hz to 10kHz; <0.11 Ω at 20kHz Damping Factor: >82, 20Hz to 10kHz; >72 at 20kHz (All referred to 8 Ω)