

Audio Generator

#72-505

FEATURES

SPECIFICATIONS

Operating Temperature: {0°C~+50°C} specification apply from {10°C~30°C}

Storage Temperature: {-20°C~+60°C} battery removed

Power Requirements: 9V battery, NEDA 1604

Battery Life: Up to 50 hours typical with alkaline, up to 30 hours typical with zinc carbon

Battery Indicator: LED lamp indicates when approximately 20% of battery life remains

Accessories: User's manual, test leads, 9V battery - zinc-carbon battery

Frequency

Range: x1 range 20Hz~1.5KHz, x100 range 2KHz~150KHz with 23 step of selected frequency both

Accuracy: 20Hz~100KHz ($\pm 3\%$ or less), 100KHz~150KHz ($\pm 5\%$ or less)

Output Control: 0dB, -20dB, and fine adjuster

Output Impedance: 600ohm $\pm 10\%$

Sine Wave Characteristics

Output Voltage: 1.2V RMS maximum (no load)

Output Flatness: 20Hz~150KHz ± 0.5 dB (reference frequency 1KHz)

Distortion: 200Hz~15KHz 0.05% (THD) or less, 50Hz~30KHz 0.1% (THD) or less, 20Hz~100KHz 0.3% (THD) or less

Square Wave Characteristics

Output Voltage: 8V p-p maximum (when no load)

Rise & Fall Time: Less than 0.5 μ s

Sag: Less than 5% at 20Hz

Over Shoot: Less than 2% at maximum output

Duty Ratio: 50% $\pm 5\%$

Synchronization Characteristics

Output Voltage: 1.2V RMS (when no load)

Output Impedance: 1Kohm $\pm 5\%$

About other specifications which same of sine wave

General

Dimensions: 6" (L) x 3.3" (W) x 0.9" (H) {15cm (L) x 8.2cm (W) x 2.1cm (H)} approximately

Weight: 7 ounces {200g} including battery