

- 6 Frequency ranges
- Sine, Square Ramp and Pulse Wave forms
- Built in 30MHz Frequency counter
- Less than 1.0% Sine wave distortion
- Variable Symmetry
- TTL Sync output
- VCF input
- Greater than 60dB Attenuation



B8012

SPECIFICATIONS

Output Characteristics

Frequency Range: 2Hz to 2MHz
 Ranges: x20, x200, x2K, x20K, x200K, x2M
 Output Level: $\geq 16V$ (no load)
 $\geq 8V$ (50%)
 Attenuation: 0dB, 20dB, 40dB + Amp
 Waveforms: Sine, Square, Ramp and Pulse
 Impedance: 50 Ω
 DC offset: 0 to $\pm 8.0V$ (no load)
 0 to ± 4.0 (50%)

Sine Wave

Distortion: 0% from 20Hz to 20KHz
 Flatness: $\leq \pm 1dB$

Square wave

Rise/Fall Time: $\leq 30nS$ (into 50 Ω)

Triangle

Linearity: > 99% to 100KHz

Pulse

Duty cycles of 10% to 90% may be obtained

TTL output

Rise/Fall time: $\leq 50nS$
 Low Level: $\leq 0.4V$
 High Level: $\leq 3.5V$
 Impedance: 100 Ω

Frequency Counter (Ext.)

Measuring Range: 0.5Hz to 30MHz
 No. of Digits: 6
 Accuracy: $\leq 0.1\% + 1count$
 Sensitivity: $\leq 500mV$ RMS
 Input Impedance: 100 Ω
 Max input V: 50V p-p

General Specifications

Line Voltage: 120 / 220V selectable
 Frequency: 50 to 60Hz
 Dimensions: 9"(W) x 3.3"(H) x 9.4"(D)
 Weight: 3.9 lbs
 Accessories: BNC cable, Power cord, and Operating manual