



2 MHz FUNCTION GENERATOR



SPECIFICATIONS

FREQUENCY CHARACTERISTICS

Waveforms
Sine, Square, Triangle, \pm Pulse, \pm Ramp

Range
0.2 Hz to 2 MHz in 7 ranges

Dial Accuracy
 $\pm 5\%$

Tuning Range
10:1

Variable Duty Cycle
15:85:15 Continuously Variable

Operating Modes
Normal, VCG (Voltage Controlled Generator)

OUTPUT CHARACTERISTICS

Impedance
50 Ω $\pm 10\%$

Level
20 V p-p Open-circuit, 10V p-p into 50 Ω

Amplitude Control
Variable, 20 db range typical

TTL OUTPUT

Level 0.8V to 2.4V

Rise Time ≤ 20 nS

Duty Cycle 50% typical

CMOS OUTPUT

Level 4V to 14 V ± 0.5 V p-p,
Continuously Variable

Rise Time ≤ 120 nS

VCG (Voltage Controlled Generator) INPUT

Input Voltage
0 - 10V ± 1 V causes a 100:1 frequency change

Impedance
10 k Ω $\pm 5\%$

Attenuation

-20 db ± 1 db

DC Offset

Preset: ± 0.1 V typical
Variable: ± 10 V open-circuit, ± 5 V into 50 Ω

SINE WAVE

Distortion
1% typical at 1 kHz

Flatness
 $\pm 5\%$ (0.45 db)

SQUARE WAVE

Symmetry
 $\leq 2\%$ 0.2 Hz to 100 kHz

Rise Time
 ≤ 50 nS

TRIANGLE WAVE

Linearity
 $\geq 98\%$ to 100 kHz

POWER SOURCE

120 / 230 VAC $\pm 10\%$, 50 / 60 Hz, internal jumper selectable

DIMENSIONS (H x W x D)

10-3/8" x 3-3/8" x 11-7/16" (26.4 cm x 8.6 cm x 29.1 cm)

WEIGHT

4 lb. (1.8 kg.)

ACCESSORIES

Instruction Manual
Output Cable, BNC to Alligator Clips