



**MANTECH
ELECTRONICS**

International Components Distributor

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Model: GFG-8015G

Features

- Frequency Range : 0.2Hz ~ 2MHz
- Waveform : Sine, Triangle, Square, TTL Pulse
- Variable DC Offset Control
- Output Overload Protection
- VCF Input Function
- 1000 : 1 Tuning Range

2MHz Function Generator

The GFG-8015G Function Generator delivers the most economic solution available for signal generating demand within a 2MHz frequency range. GFG-8015G offers extra value with TTL output, and a 1000:1 Tuning Range. Offering standard functions, such as Variable DC Offset Control, Output Overload Protection, and VCF input, the GFG-8015G is the most affordable choice for production line testing and educational use at the most competitive price.

MAIN OUTPUT

Waveforms	SINE, TRIANGLE, RAMP, SQUARE, and TTL pulse output
Amplitude	>20Vp-p (open circuit) >10Vp-p (into 50Ω load)
Impedance	50Ω±10%
Attenuator	-20dB, -20dB±1.0dB (at 1kHz)
DC Offset	<-10V to >+10V (<-5V to >+5V into 50Ω load)
Duty Control	1:1 to 10:1 Continuously rating
Frequency Range	0.2Hz to 2MHz 7 ranges
Range Accuracy	±5% + 1Hz (0.2, 2.0 position)
SINE WAVE	
Distortion	<1%, 0.2Hz to 200kHz
Flatness Response	< 0.1dB, 0.2Hz to 100kHz < 0.5dB, 100kHz to 2MHz

TRIANGLE WAVE

Linear 98%, 0.2Hz to 100kHz
95%, 100kHz to 2MHz

SQUARE WAVE

Symmetry <2%, 0.2Hz to 100kHz
Rise / Fall Time <100nS

TTL OUTPUT

Level > 3Vpp
Rise / Fall Time < 25nS

VCF

Input Voltage Approx. 0V to 10V(±1V) input for 1000:1 frequency ratio
Impedance 10kΩ (±10%)

POWER SOURCE

AC100V/120V/220V/230V±10%, 50/60Hz

ACCESSORIES

User manual x 1
Power cord x 1
Test lead GTL-101 x 1

DIMENSIONS & WEIGHT

230(W) x 95(H) x 280(D)mm
Approx. 2.0 kg