

Function Generator

GFG-8215A (3MHz)



FEATURES

- Frequency Range 0.3Hz ~ 3MHz
- Waveforms Sine, Triangle, Square, Ramp, TTL and CMOS Output
- Duty Cycle Controlled with Signal Inversion Capability
- External Voltage Controlled Frequency (VCF) Function
- Variable DC Offset Control
- Two-Step (-20dB x 2) and Variable Attenuator



SPECIFICATIONS

Main

➤ Frequency Range	0.3Hz to 3 MHz (7 ranges)
➤ Amplitude	>10Vp-p (into 50Ω load)
➤ Impedance	50Ω ±10%
➤ Attenuator	-20dB±1dB x 2
➤ DC Offset	<-5V ~ >5V(into 50Ω load)
➤ Duty Control	80% : 20% : 80% to 1MHz Continue variable
➤ Range Accuracy	+5% + 1Hz (at 3 position)

Sine Wave

➤ Distortion	<1%, 0.3Hz ~ 200kHz, THD≤-35dB , fundamental in all range (Specification applied from MAX. to 1/10 level)
➤ Flatness	<0.3dB, 0.3Hz ~ 300kHz; <0.5dB, 300kHz ~ 3MHz

Triangle Wave

➤ Linear	>98%, 0.3Hz ~ 100kHz; ≥95%, 100kHz ~ 3MHz
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Square Wave

➤ Symmetry	+2%, 0.3Hz ~ 100kHz
➤ Rise or Fall Time	< 100nS at maximum output (into 50Ω load)

CMOS Output

➤ Level	4Vpp±1Vpp ~ 14.5Vpp±0.5Vpp adjustable
➤ Rise or Fall Time	<120nS

TTL Output

➤ Level	>3Vpp
➤ Fan Out	20 TTL load
➤ Rise or Fall Time	<25nS

VCF

➤ Input Voltage	0V~10V ± 1V(100 : 1)
➤ Input Impedance	10kΩ ±10%

Power Source

	AC 115V/230V±15%, 50/60Hz
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Accessories

	GTL-101 1, Instruction manual 1, Power cord 1
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Dimensions & Weight

	251(W) 91(H) 291(D) mm, Approx. 2.1kg
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