

RF Generator / Audio Generator



GRG-450B (RF GENERATOR)

FEATURES

- * Frequency Range from 100kHz ~ 150MHz (up ~ 450MHz on Harmonics)
- * Int/Ext AM Modulation, 0 ~ 100%
- * Frequency Monitor Output for EXT Frequency Counter

SPECIFICATIONS

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|--------------------------------|---|
| MAIN OUTPUT | |
| Frequency | 100kHz ~ 150MHz (up to 450MHz on harmonics) |
| Range | A 100 ~ 290kHz B 290 ~ 900kHz C 0.9 ~ 3.0MHz D 3.0 ~ 11MHz E 10 ~ 35MHz F 32 ~ 150MHz (96 ~ 450MHz, calibrated harmonics) |
| Accuracy | ±5% |
| Level | 100mVrms approx up to 35MHz |
| Level control | High/Low switchable and fine control |
| AMPLITUDE MODULATION | |
| Internal | Frequency: 1kHz Percentage: 30% max and adjuster |
| External | Frequency: 50Hz to 20kHz Sensitivity: less than 1Vrms |
| AUX OUTPUT | Audio Output Frequency: 1kHz Level: 1 Vrms MIN, fixed |
| FREQUENCY MONITOR | Frequency: Oscillation frequency Level: 50mVrms MIN |
| POWER SOURCE | AC 100/115/230V ±10% , 50/60Hz |
| ACCESSORIES | Instruction manual x 1, Power cord x 1, GTL-110 x 1 |
| DIMENSIONS & WEIGHT | 247(W) x 158(H) x 140(D)mm, Approx. 2.5kg |

ORDERING INFORMATION

GRG-450B 150MHz RF Generator



GAG-809/810 (AUDIO GENERATOR)

FEATURES

- * Frequency from 10Hz ~ 1MHz
- * 0.02% Low Sine wave Distortion (GAG-810 Only)
- * 6 Steps Output Attenuator
- * EXT SYNC Function

SPECIFICATIONS

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|---------------------------------|--|
| SINE WAVE CHARACTERISTIC | |
| Frequency Range | 10Hz ~ 1MHz, 5 Ranges |
| Frequency Indicator | Dial Scale |
| Frequency Accuracy | ±(3% + 1Hz) |
| Output Voltage | 5 Vrms (600Ω load) |
| Frequency Response | 10Hz ~ 1MHz ±0.5dB(at 600Ω load) Reference Frequency (1kHz) |
| Distortion Factor | 500Hz ~ 20kHz 0.02% or less (GAG-809 0.1%) 100Hz ~ 100kHz 0.05% or less (GAG-809 0.3%) (x 10 range for 100Hz, x 1k range for 100kHz) 50Hz ~ 200kHz 0.3% or less 20Hz ~ 500kHz 0.5% or less 10Hz ~ 1MHz 1.5% or less |
| SQUARE WAVE | |
| Output Voltage | 10Vp-p or more (no load) |
| Overshoot | 2% or less (at 1kHz, max output) |
| Rise & Fall Time | Less than 200nS |
| Duty Ratio | 50% ±5% |
| EXT. SYNCHRONIZATION | |
| Synchronizing Range | ±1%/Vrms |
| Max. Allowable Input | 15V (DC + AC peak) |
| Input Impedance | 150k ohm |
| OUTPUT | |
| Output Impedance | 600Ω |
| Output Attenuator | 0, -10, -20, -30, -40, -50dB 6 ranges (accuracy ±1dB at 600Ω load) |
| POWER SOURCE | AC 100/120/220/230V ±10% , 50/60Hz |
| ACCESSORIES | Instruction Manual x 1, Power cord x 1, GTL-103 x 1 |
| DIMENSIONS & WEIGHT | 130(W) x 210(H)x292(D)mm , Approx 3 kg |

ORDERING INFORMATION

GAG-809 1MHz Audio Generator
GAG-810 1MHz Audio Generator with 0.02% Low Sine Wave Distortion