



Models 4007DDS & 4013DDS

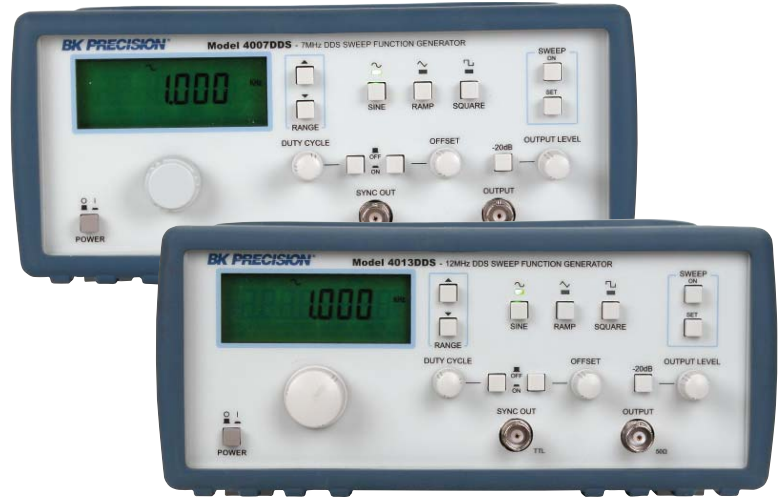
DDS Sweep Function Generators

Data Sheet

DDS Sweep Function Generators Models 4007DDS & 4013DDS

The models 4007DDS & 4013DDS are a versatile sweep function generators utilizing an advanced direct digital synthesis (DDS) design. These units generate superb quality waveforms with high signal precision and stability. It provides sine & square wave outputs over the frequency range from 0.1 Hz to 7MHz (4007DDS) & 0.1 Hz to 12MHz (4013DDS) in one extended range (triangle/ramped wave outputs to 100kHz for 4007DDS) & (triangle/ramped wave outputs to 1MHz for model 4013DDS).

- 7MHz, 12MHz Frequency Ranges (sine & square only)
- Sine, Square, Triangle
- Lin or Log Sweep Function
- Adjustable Duty Cycle
- Adjustable DC Offset



| Specifications | Models | |
|--|--|----------------|
| | 4007DDS | 4013DDS |
| Frequency Range (sine & square wave only) | 0.1Hz to 7MHz | 0.1Hz to 12MHz |
| Waveforms | Sine, Square, Triangle, Ramp, Pulse | |
| Amplitude | 10V p-p into 50Ω | |
| Offset | ± 4.5V into 50 Ω (amplitude dependent) | |
| Distortion | DC-20KHz = -55dBc (<0.25%) | |
| Square Rise/Fall Time | <20 ns (10% to 90%) into 50 Ω | |
| Flatness | ±1dB to 7MHz | ±1dB to 12MHz |
| Power Source | 100V-240V, 48-66Hz / 25 VA max | |
| Dimensions | 8.4 x 3.5 x 8.3" (213 x 88 x 210 mm) | |
| Weight | 4.4 lbs, 2 Kg (approx.) | |

