



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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# Data Sheet

## DDS Sweep Function Generators

### Models 4007DDS & 4013DDS

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 0.2 Hz to 7 MHz (4007DDS) & 0.2 Hz to 12 MHz (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

| Model  | 4007DDS                                | 4013DDS            |
|--|--|--------------------|
| Frequency Range<br>(sine & square wave only) | 0.2 Hz to 7 MHz                        | 0.2 Hz to 12 MHz   |
| 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.)                |                    |
| <b>Warranty</b>                              | <b>One Year</b>                        | <b>Three Years</b> |

Supplied Accessories: User's manual, power cord, and certificate of calibration and conformance

