

### 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.)	

