

nano1 - technical specifications

item	description
Synthesis type	DDS - Direct Digital Synthesis implemented with DSP (Digital Signal Processor)
Sampling rate	63.7 KHz
Resolution	12 bits
Frequency stability	+/- 100 ppm (parts-per-million). It represents 0.01 % per degree temperature variation
Signal noise	Better than -70 dB.
Oscillator type	DDS - sawtooth, triangular, senoidal and trapezoidal with width control
Filter type	4 pole (24 dB/octave) digital IIR (Infinite Impulse Response) with resonance control, from 0 Hz to 8 KHz
Oscillators	2 DDS, tunable +/- 15 halftones and +/- 7 fractions of 1/8 halftone
Envelopes	AR for filter. Attack and release time from 5 msec to 10 sec. ADSR for amplifier. Attack, decay and release time from 5 msec to 10 sec.
LFO	DDS - senoidal. 0.1 Hz to 160 Hz.
Output	1 V pp at 500 ohms of impedance
Dimensions	360 x 180 x 90 mm. 482 x 180 x 90 mm with 19" rack mount accessories
Power supply	External, 9-12V CC at 500 mA. Not included
Power consumption	300 mA
Weight	1 Kg

Note: changes without previous notification