MIKROELEKTRONIKA D.O.O, Batajnički drum 23, 11000 Belgrade, Serbia
VAT: SR105917343 Registration No. 20490918
Phone: + 381 11 78 57 600 Fax: + 381 11 63 09 644 E-mail: office@mikroe.com
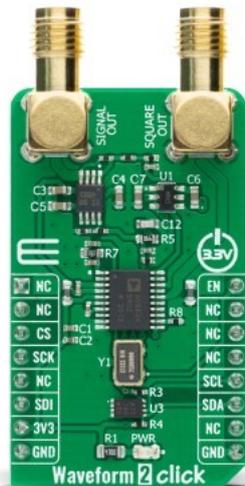www.mikroe.com

Waveform 2 Click

PID: MIKROE-4346

Waveform 2 Click is a compact add-on board that contains a direct digital synthesis device for waveform generator applications. This board features the AD9834, a 75 MHz low power DDS device capable of producing high-performance sine/triangle/square outputs from Analog Devices. It provides the capability for phase and frequency modulation and has an on-board comparator that allows the production of a square wave signal for clock generation. With a 75 MHz clock rate resolution of 0.28Hz can be achieved, while similarly, with a 1 MHz clock rate an AD9834 can be tuned to 0.004Hz resolution. This Click board™ represents an ideal candidate for power-sensitive applications, frequency stimulus/waveform generation, frequency phase tuning and modulation, and many more.

Waveform 2 Click is supported by a mikroSDK compliant library, which includes functions that simplify software development. This Click board™ comes as a fully tested product, ready to be used on a system equipped with the mikroBUS™ socket.

Mikroe produces entire development toolchains for all major microcontroller architectures.
Committed to excellency, we are dedicated to helping engineers bring the project development up to speed and achieve outstanding results.

ISO 27001: 2013 certification of informational security management system.
ISO 14001: 2015 certification of environmental management system.
OHSAS 18001: 2008 certification of occupational health and safety management system.

ISO 9001: 2015 certification of quality management system (QMS).

MIKROELEKTRONIKA D.O.O, Batajnički drum 23, 11000 Belgrade, Serbia
VAT: SR105917343 Registration No. 20490918
Phone: + 381 11 78 57 600 Fax: + 381 11 63 09 644 E-mail: office@mikroe.com
www.mikroe.com

Specifications

Type	Measurements
Applications	Can be used for power-sensitive applications, frequency stimulus/waveform generation, frequency phase tuning and modulation, and many more.
On-board modules	Waveform 2 Click is based on the AD9834, a 75 MHz low power DDS device capable of producing high-performance sine/triangle/square outputs from Analog Devices.
Key Features	Low power consumption, high-performance sine/triangle/square outputs, capability for phase and frequency modulation, on-board comparator, and more.
Interface	I2C,SPI
Compatibility	mikroBUS
Click board size	M (42.9 x 25.4 mm)
Input Voltage	3.3V

Resources

mikroBUS™

mikroSDK

Click board™ Catalog

Click boards™

Downloads

24AA64 datasheet

Waveform 2 click 2D and 3D files

Waveform 2 click example on Libstock

Waveform 2 click schematic

AD9834 datasheet

ADM8829 datasheet

THS4551 datasheet

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for Data Conversion IC Development Tools *category:*

Click to view products by MikroElektronika *manufacturer:*

Other Similar products are found below :

EVAL-AD7265EDZ EVAL-AD7719EBZ EVAL-AD7767-1EDZ EVAL-AD7995EBZ AD9211-200EBZ AD9251-20EBZ AD9251-65EBZ AD9613-170EBZ AD9629-20EBZ AD9716-DPG2-EBZ AD9737A-EBZ AD9993-EBZ DAC8555EVM EVAL-AD5061EBZ EVAL-AD5062EBZ EVAL-AD5443-DBRDZ EVAL-AD5570SDZ EVAL-AD7992EBZ EVAL-AD7994EBZ AD9119-MIX-EBZ AD9233-125EBZ AD9629-80EBZ AD9650-80EBZ AD9767-EBZ DAC8531EVM LM96080EB/NOPB EVAL-AD5445SDZ EVAL-AD5660EBZ EVAL-AD7685SDZ EVAL-AD7687SDZ MAX5318PMB# MAX1246EVL11-QSOP MAX117EVKIT-DIP DC2365A-C DC2795A-B DC2795A-A DAC088S085EB/NOPB SIM8909-EVB-KIT 82635ASRCDVKHV 961443 DC1466B-B EVAL-AD5413SDZ ADC12D1600RB/NOPB 1083 RFPDK FOR CMT2X5X TS7003DB TSC2014EVM-PDK MOD-USB3G KDC5514EVALZ 650201392G ISL28005FH-100EVAL1Z