

RF Meter 3 Click



PID: MIKROE-4906

RF Meter 3 Click is a compact add-on board that collects information, analyzes RF power, and displays information in an easy-to-read digital format. This board features the LT5581, a low-power monolithic precision RMS power detector from Analog Devices. The RMS detector uses a proprietary technique to accurately measure the RF power in a range from 2GHz up to 2.6GHz, well-suited for signals with high crest factors. It outputs a DC voltage in linear scale proportional to an RF input signal power in dBm. This Click board™ is suitable for precision power measurement and control for various RF standards, including GSM/EDGE, CDMA, CDMA2000, W-CDMA, TD-SCDMA, UMTS, LTE, and WiMAX.

RF Meter 3 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).

Specifications

Type	RF meter
Applications	Can be used for precision power measurement and control for various RF standards
On-board modules	LT5581 - RMS power detector with a 40dB dynamic range from Analog Devices
Key Features	Accurate power measurement of high crest factor waveforms, 40dB log linear dynamic range, exceptional accuracy over temperature, low power consumption, log-linear DC output vs input RF power in dBm, and more
Interface	Analog
ClickID	No
Compatibility	mikroBUS
Click board size	S (28.6 x 25.4 mm)
Input Voltage	3.3V or 5V

Resources

[mikroBUS™](#)
[mikroSDK](#)
[Click board™ Catalog](#)
[Click Boards™](#)

Downloads

[RF Meter 3 click 2D and 3D files](#)
[RF Meter 3 click schematic](#)
[RF Meter 3 click example on Libstock](#)
[LT5581 datasheet](#)

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