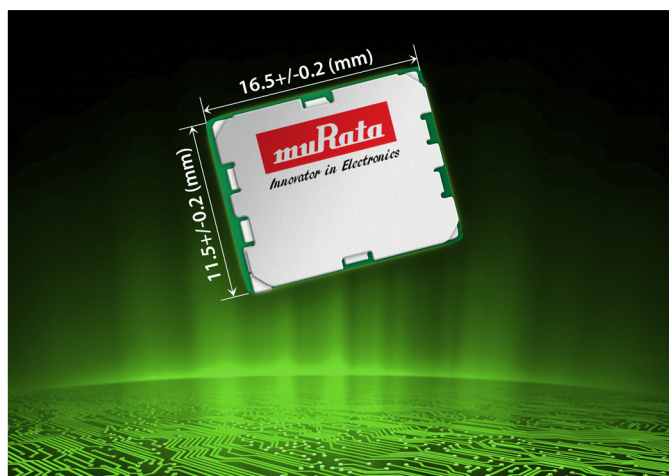# Type VK–Wi-Fi® Module
Part Number: LBWA1ZZVK7-539

The Type VK module is based on Texas Instruments CC3000 chipset supporting the IEEE802.11 b/g standard for Wi-Fi connectivity. Type VK is part of the broad market series targeting a wide range of consumer applications and available through distribution partners.

The module is pre-integrated with several Texas Instruments low power and low cost microcontrollers beginning with the MSP430 and Stellaris families. Pre-integration facilitates rapid customer design cycles. Support for other microcontrollers is listed on the TI wiki-pages website.

The unique benefit provided to the customer is an essentially host-less module in terms of the wireless LAN driver, supplicant, and firmware, which all reside on-module. The module can quickly and easily interface to low MIP microcontrollers.

This module integrates the Wi-Fi chipset, RF front end, band pass filter, fast clock & sleep clock, EEPROM, power management and level shifters. The Type VK module is also supplied on the EM daughter board for quick plug-in and adoption to development platforms. Daughter board part number: LBWA1ZZVK7-539-D.
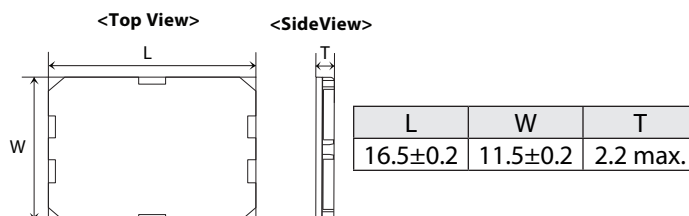
Features

- *IEEE 802.11 b/g*
- *FCC Certification*
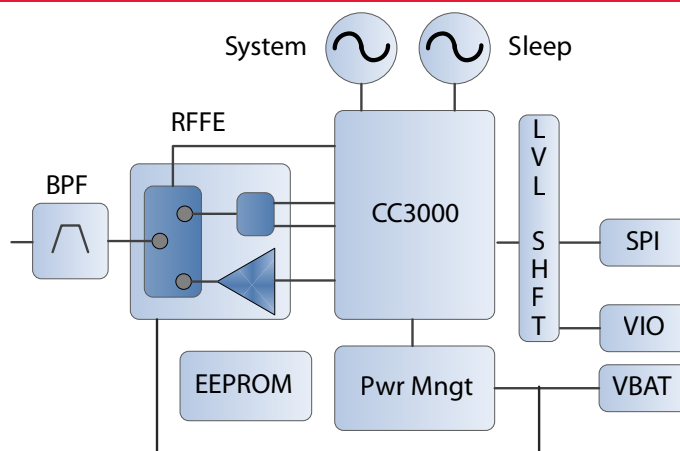- *SPI serial interface*
- *Software stack on module*

Applications

- *Home appliances*
- *Sensors / meters / displays*
- *Fitness equipment*

Dimensions (mm)

	L	W	T
	16.5±0.2	11.5±0.2	2.2 max.

Block Diagram

Specifications

Chipset	CC3000
Protocol	IEEE 802.11 b/g
Supply Voltage	2.7 to 3.6Vdc for VBAT
Interface Voltage	1.8 to 3.3Vdc for VIO
Operating Temperature	-20 to +70℃
Package	LGA
WLAN RF Power	+15dBm typ. 54Mbps +19.5dBm typ. 11Mbps
WLAN Sensitivity	-74dBm typ. 54Mbps -88dBm typ. 11Mbps
Host Interface	SPI
Driver / Firmware	Resident on-module

Note: Information in this brief is subject to change without notice.