

8 Bit MCU, AVR ATtiny Family ATtiny10 Series Microcontrollers, 12 MHz, 1 KB, 32 Byte, 8 Pins, SOIC

Manufacturers	Microchip Technology, Inc
Package/Case	SOIC-8
Product Type	Microcontrollers
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for ATTINY102-SSNR or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The high-performance Microchip's tinyAVR® 8-bit RISC-based ATtiny102 microcontroller (MCU) combines 1KB in-system programmable Flash memory, 32 Bytes SRAM, six general-purpose I/O lines, 16 general-purpose working registers, one 16-bit timer/counter with two PWM channels, internal and external interrupts, a 5-channel 10-bit A/D converter, on-chip analog comparator, one full duplex USART, programmable watchdog timer with internal oscillator, internal calibrated oscillator, 10-bytes unique ID (serial number), three calibrated internal voltage references (1.1V, 2.2V and 4.3V), and four software selectable power saving modes. A version with faster startup time is available under a dedicated part number. The device operates between 1.8 and 5.5 volts.

By executing powerful instructions in a single clock cycle, the ATtiny102 MCU achieves throughputs approaching 1MIPS per MHz, balancing power consumption and processing speed.

The ATtiny102 product is a small, very versatile, low-cost and easy to use microcontroller that fits almost any application. It can be used for system monitoring, battery measurements, battery charging, voltage measurements, current measurements, interface to buttons, switches, drive of small motors, drive of one or more LEDs and so on. The USART provides a means for wired or wireless interface, making it possible to create a powerful yet small and low-cost solution for all types of Internet of Things (IoT) end-nodes.

Related Products



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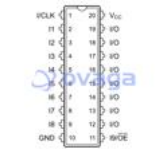
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