

Bluetooth™ Baseband LSI MN102H9200

Overview

MN102H9200 is a baseband LSI for Bluetooth™ and is implemented in CMOS technology. Incorporates 16-bit CPU and abundant peripheral functions such as high-speed UART. When used with Protocol software and RF transceiver (AN27500A) or RF Module (UN0361B), it provides a fully compliant Bluetooth™ system for data and voice communications.

Features

- Low power consumption
25 mA (Approx.) in DH5 Transfer mode
- Built-in CODEC for voice
- Built-in AD/DA for voice
- Bluetooth™ specification V1.1 compliant

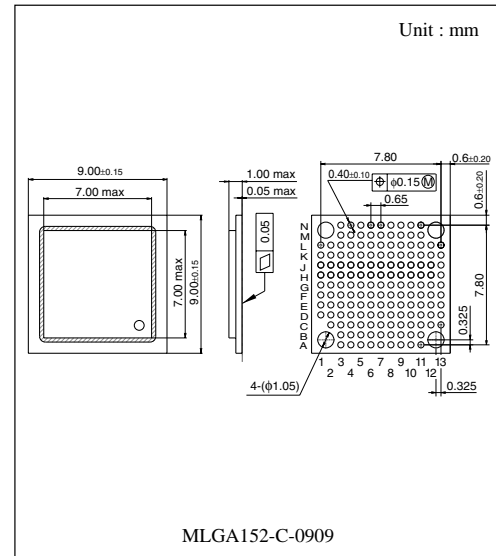
Applications

Mobile Phones, PDAs, PCs

Specifications

MN102H9200

Item	Contents
Built-in CPU	102H (16-bit CPU)
External ROM/RAM	24-bit Address Bus, 16-bit Data Bus
Host IF	High Speed UART (921.6 kbps max)
Voice Format	CVSD, A-law, μ -law
A/D D/A for Voice	8-bit, fs = 64 kHz
General-Purpose D/A	8-bit \times 2
A/D for RSSI	8-bit
Clock Frequency	System Clock 13 MHz Slow Clock 76.8 kHz
Power Supply Voltage	Internal Core : 1.8 V IO/Analog : 3.0 V
Package	152-pin CSP (9 mm Square)



Products and specifications are subject to change without notice. Please ask for the latest Product Standards to guarantee the satisfaction of your product requirements.

Semiconductor Company, Matsushita Electric Industrial Co., Ltd.

■ Block diagram

