

ISO²-CMOS MT9160B 5 Volt Multi-Featured Codec (MFC)

Advance Information

May 1995

Features

- Improved idle channel noise performance
- Programmable μ-Law/A-Law Codec and Filters
- Programmable CCITT (G.711)/sign-magnitude coding
- Programmable transmit, receive and side-tone gains
- Fully differential interface to handset transducers including 300 ohm receiver driver
- Flexible digital interface including ST-BUS/SSI
- Serial microport or default controllerless mode
- Single 5 volt supply
- Low power operation
- CCITT G.714 compliant

Applications

- Digital telephone sets
- Cellular radio sets
- Local area communications stations
- Pair Gain Systems
- Line cards

Ordering Information MT9160BE 24 Pin Plastic DIP MT9160BS 20 Pin SOIC

ISSUE 1

-40°C to +85°C

Description

The MT9160B 5V Multi-featured Codec is a replacement for the MT9160.

The major difference is the improvement in idle channel noise performance over and above that of the MT9160.

Typical Performance

Transmit	10 dBrnC0 μ-law
	-70 dBm0p A-Law
Receive	9 dBrnC0 μ-law
	-81 dBm0p A-Law
Another difference is that $V_{\text{Bias}} - V_{\text{Ref}} = 1.9$ Volts.	

For other performance features, please refer to the MT9160 data sheet.



Figure 1 - Functional Block Diagram

MT9160B

Notes: