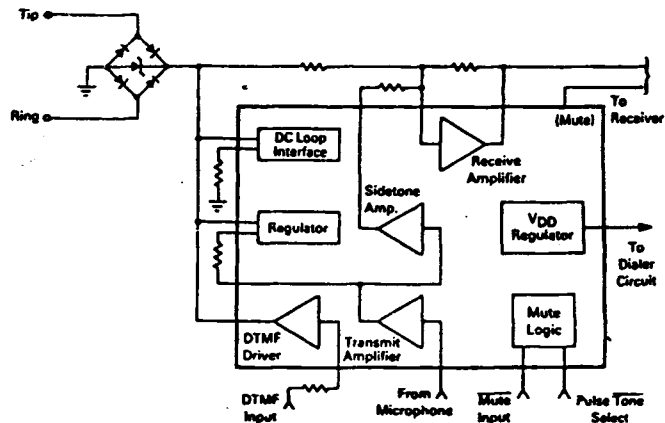
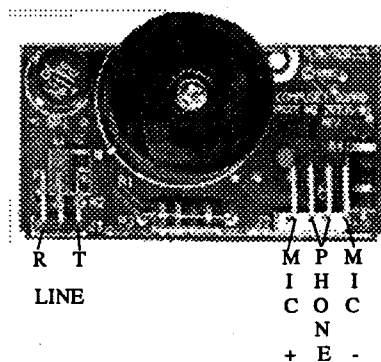


# Speech Network with Dialer Interface

MC34014 — TA = -20° to +60°, Case 707, 775

The MC34014 is a Telephone Speech Network integrated circuit which incorporates adjustable transmit, receive, and sidetone functions, line interface circuit, dialer interface, and a regulated output voltage for a dialer circuit. It includes an equalization circuit to compensate for various line lengths and the conversion from two to four wire is accomplished with supply voltages as low as 1.5 Volts.

- Transmit, Receive, and Sidetone Gains Set by External Resistors.
- Loop Length Equalization for transmit, Receive, and Sidetone Functions.
- Operates Down to 1.5 Volts (V+) in Speech Mode.
- Provides Regulated Voltage for CMOS Dialer.
- Speech Amplifiers Muted During Pulse and Tone Dialing.
- DTMF Output Level Adjustable with a Single Resistor.
- Compatible with Two-Terminal Electret Microphones.
- Compatible with Receiver Impedances of 150 Ohms and Higher.



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