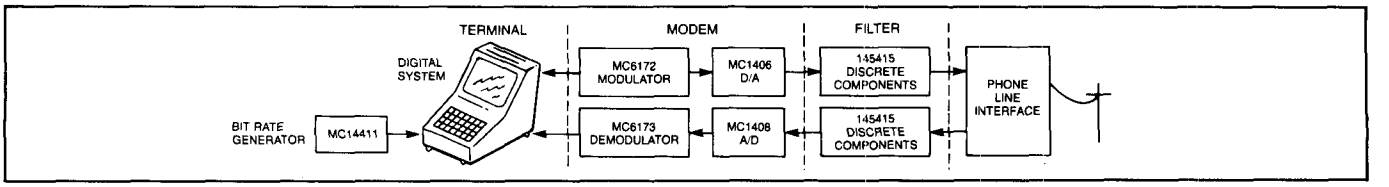

1200/2400 Baud Modem Circuits

MC6172 Modulator/MC6173 Demodulator

These components are N-channel, silicon-gate subsystems designed to be integrated into a wide range of equipment utilizing serial data communications. They provide the necessary modem and control functions to communicate over a voice-grade channel, using differential phase shift keying (DKSP) at bit rates of 1200 or 2400 bps. Phase options are provided for both U.S. (Bell) and international (CCITT) markets. Modulator features Clear-to-Send delay options and Answer-Back tone. Both devices are available in the 24-pin plastic (case 709) packages.

MC14411 Bit Rate Generator

Internal (crystal controlled) 1.843 MHz oscillator and subsequent divider networks provide 16 different output clock rates ranging from 75 Hz to 1.843 MHz for data communications equipment such as teleprinters, printers, CRT terminals and microprocessor systems.

MC145411 Bit Rate Generator

This device is similar to MC14411 but features a 16 pin package to offer size and cost reduction. Nine outputs provide a total of 19 frequencies.

MC145450 1200 Baud FSK Modem

This single-chip CMOS modem is intended for use in Bell 202 and CCITT V.23 applications. Features include eight selectable handshake (RTS-CTS) options, soft turn-off capability, Answer-Back tone generator and Carrier-Detect input.

Operates from a single-voltage supply between 4.5 and 6.5 volts for TTL compatibility. On-board crystal oscillator operates with 3.68 MHz external crystal. The device is available in a 22-pin plastic (case 708) package.

MC145415 Dual Tunable Linear Phase Low-Pass Sampled Data Filters

This CMOS sampled data, switched capacitor filter IC provides band limiting and signal restoration filtering. It is capable of operating from either a single or split power supply and can be powered-down when not in use. Included on the IC are two uncommitted comparators for use elsewhere in the system.

- Low Operating Power Consumption — 20 mW (Typical)
- ±2.5 to ±8 Volt Power Supply Ranges
- Useful in High Speed Data Modem Applications
- Pass-Band Edges Tunable With Clock Frequency from 1.25 kHz to 10 kHz