

Telecommunications Products

CMOS Modems

Type	Features	Command Interface	Supply Voltage	Package*
CD22212	• Full-duplex operation at 0-300 and 1200 BPS • FSK (300 BPS) or PSK (1200 BPS) encoding • Compatible with industry-type 8048, 80C51 μps • Four internal 8 bit control/status registers • Maskable interrupts • Serial port for data transfer • Selectable asynch/synch; scrambler/descrambler functions • Coherent demodulation technique provides optimum performance • Call progress, carrier, and long-loop detect monitor • DTMF tone generator • Test modes available - ALB, DLB, RDL, Mark, Space Alternating bit patterns • CMOS technology for low power consumption (120 mW) • Low power IDLE mode uses < 10 mW • TTL and CMOS compatible inputs and outputs • Interchangeable with SSI73K212	Parallel	12 V @ 25 mA (max.)	28 Pin DIP-E 28 Pin PLCC
CD22212E1	• Same features as the CD22212	Serial	12 V @ 25 mA	22-Pin DIP-E
CD22223	• Single-chip 1200 BPS FSK modem • CCITT V.23 compatible • Built-in loop-back test • Switched capacitor receive filter • Low power CMOS (2 mA @ 5-V typ.) • Single-supply operation • Lower error rate (5×10^{-3} @ 8-dB SNR)	Serial	4.5 V to 13 V @ 2 mA (typ.)	16-Pin DIP-E

* See interpretation guide and packaging section

CMOS Modem Controller

Type	Features	Command Interface	Supply Voltage	Package*
CD22MOC6805E	• Implements Hayes Standard "AT" Command Set @ 1200 Baud • EEPROM storage of "S" parameters - eliminates DIP switch • Stored number dialing (using external EEPROM) • 2400-BPS maximum data rate • Supports CCITT and Bell standards • Custom command-set capable • On-chip diagnostics	Parallel	5 V @ 7 mA (max.)	40-Pin DIP-E

* See interpretation guide and packaging section