

## HIGH GAIN OP AMPS

These units combine the outstanding features of the 741 into a close parameter matching and tracking dual, high gain op amp. The devices, the RM4558 and RC4558, feature offset null capability, no latch-up, continuous short circuit protection, low power consumption and internal frequency compensation. Raytheon Semiconductor, 350 Ellis St., Mountain View, Calif. 94040.

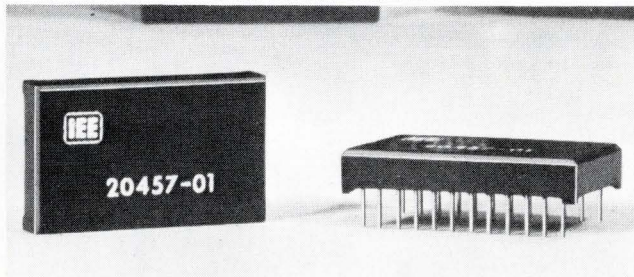
**Circle Reader Service #367**

## COLOR PROCESSOR IC

You get a chroma i-f amplifier with automatic chroma control, color killer, and injection lock reference system in one 14-pin package with this device. The MC1398P features an injection lock reference system that generates the required sub-carrier reference signal by pulling an crystal oscillator into phase with the reference burst. Another noteworthy feature is the use of dc control circuitry for hue and chroma amplitude adjustments. This avoids the necessity of higher signal levels and shielded cables from the front panel to the circuit board. \$1.98 ea., 1000-4999. Technical Information Center, Motorola Semiconductor Products, Box 20924, Phoenix, Ariz. 85036.

**Circle Reader Service #368**

## HIGH CURRENT DECODER/DRIVER



The 20457 Series of hybrid circuits decodes standard 8421 BCD data into 12 outputs. Or, if only 10 outputs are needed, two may be used as lamp buffers. Intended primarily, as display drivers, the circuits have a drive capability of 300 mA at 30 V. The circuits are DTL/TTL compatible and you can get them with or without memory. Industrial Electronic Engineers, Inc., 7720-40 Lemona Ave., Van Nuys, Calif. 91405.

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## SYSTEMS ORIENTED 4096-BIT ROM

The 8205 is a 512 x 8 organized ROM with a typical access time of 35 ns. The memory features an integrated output data register which, in addition to eliminating the need for eight external latches, also improves system performance by about 10 ns. You can also use the device in a conventional mode by holding the output latch strobe high. In 100 lot quantities, the price is \$29.50. The 8204, a 256 x 8 version, is also available for \$16. 40 in 100's. Signetics Memory Systems, 740 Kifer Road, Sunnyvale, Calif. 94086.

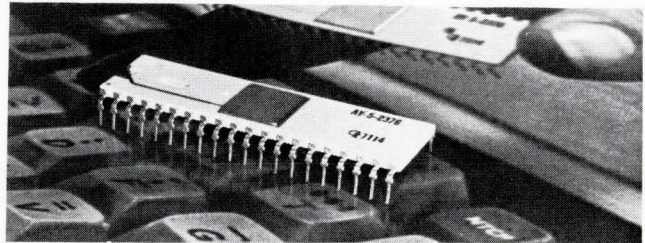
**Circle Reader Service #370**

## FIRST JFET IC

The AM1000, a precision, high-frequency analog switch is the first JFET integrated circuit to go into production. The device virtually eliminates switching transients in the signal output by routing the transients into drive and bias supply lines where they are disposed of by conventional bypass capacitors. You can use the device to switch signals of  $\pm 10$  V at toggle frequencies up to 4 MHz. A slightly more expensive version, the AM1001, will handle  $\pm 15$  V with mV resolution at toggle frequencies up to 2 MHz. Prices start at \$5.50 ea in 100 and up quantities. National Semiconductor Corp., 2900 Semiconductor Drive., Santa Clara, Calif. 95051.

**Circle Reader Service #371**

## 2376-BIT ROM



The AY-5-2376 is equipped with all the logic necessary to encode SPST keyboard closures into a useable 9-bit code. Data and strobe outputs are directly compatible with TTL/DTL or MOS logic arrays. This device features increased system flexibility by providing external control for output polarity selection; for selection of odd or even parity, two key rollover operation, N-key lockout capability, and programmable coding with a single mask change. Price, \$27.50 in 100 unit lots. General Instrument Corp., 600 W. John St., Hicksville, N.Y.

**Circle Reader Service #372**

## ULTRA FAST OP AMP

This FET-input, differential op amp offers the unique combination of high slew rate, fast settling and  $\pm 100$  mA output. The Model 46 uses a novel input stage that gives 1000V/ $\mu$ s slew rate and settling times of 100 ns to 0.1% and 300 ns to 0.01% in the inverting mode. In the unity gain, noninverting mode, the device will settle to 0.05% in 150 ns. The price is \$62 in quantities of 100. Analog Devices, Inc., Route 1 Industrial Park, Norwood, Mass. 02062.

**Circle Reader Service #373**

## IC ZERO-VOLTAGE SWITCHES

The CA3058 and CA3079 are two new zero-voltage switches that you will find useful in thyristor control applications such as electric heating, motor on/off controls, one-shot controls and light flashing systems. Each of the devices includes a limiter power supply that permits direct operation from the ac line; a differential on/off sensing amplifier; a zero crossing detector; and a triac gating circuit. RCA Commercial Engineering, Harrison, N.J. 07029.

**Circle Reader Service #374**