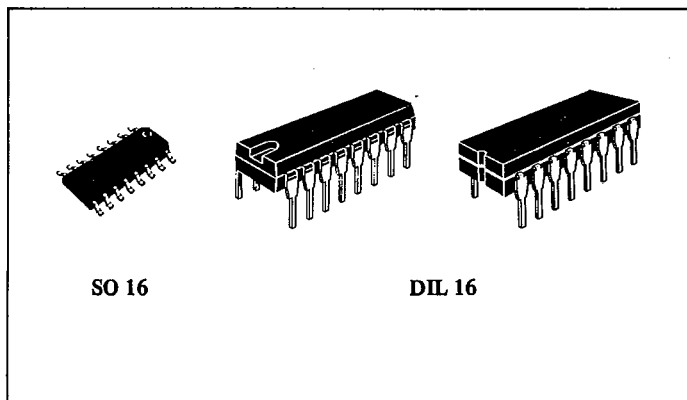


## digital to analog converters

**NEW**

**DAC08**

High-speed 8 bit multiplying D/A converter



The DAC08 series are monolithic 8-bit high-speed multiplying digital-to-analog converters, capable of settling to within 1/2 LSB (0.19 %) in 85 ns.

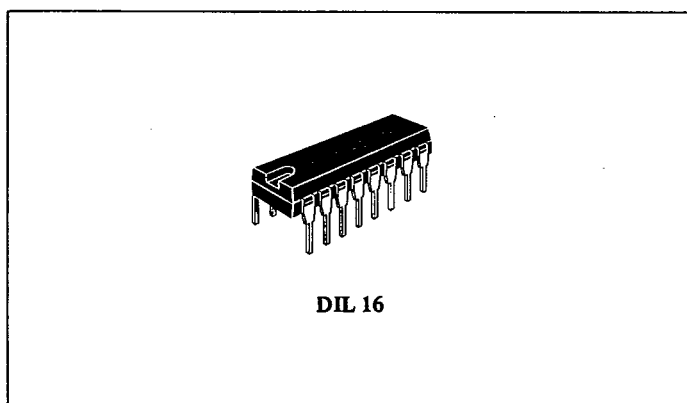
High performance characteristics, along with low cost, make the DAC08 an excellent selection for applications such as CRT displays, waveform generation, high-speed modems, and high-speed analog-to-digital converters.

- Fast settling time — 85 ns.
- Full scale current prematched to  $\pm 1$  LSB.
- Nonlinearity over temperature to  $\pm 0.1$  % max.
- Differential current outputs.
- High voltage compliance outputs — 10 V to +18 V.
- Wide range multiplying capability.
- Inputs compatible with TTL, DTL, CMOS, PMOS, ECL, HTL.
- Low full scale current drift.
- Wide power supply range  $\pm 4.5$  V to  $\pm 18$  V.
- Low power consumption.
- Thin-film resistors.
- Low-cost.

**NEW**

**UAB1408**

8-bit multiplying D/A converter



The UAB1408 is an 8-bit monolithic digital-to-analog converter (DAC) featuring a full scale output current settling time of 150 ns while dissipating only 33 mW with  $\pm 5$  V supplies.

The UAB1408 interfaces directly with popular TTL, DTL or CMOS logic levels, and is a direct replacement for the MC1508/MC1408.

- Relative accuracy:  $\pm 0.19$  % error maximum (UAB1408-8).
- Full scale current match:  $\pm 1$  LSB typ.
- 7 and 6-bit accuracy available (UAB1408-7 and UAB1408-6)
- Fast settling time: 150 ns typ.
- Non inverting digital inputs are TTL and CMOS compatible.
- High speed multiplying input slew rate: 8 mA/ $\mu$ s.
- Power supply voltage range:  $\pm 4.5$  V to  $\pm 18$  V.
- Low power consumption: 33 mW @  $\pm 5$  V.