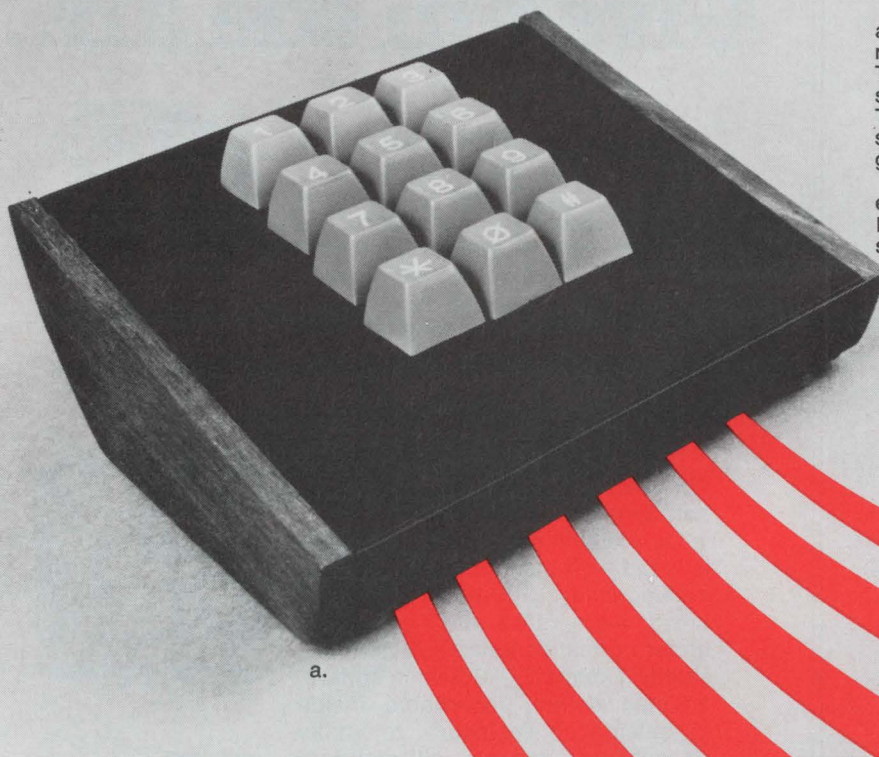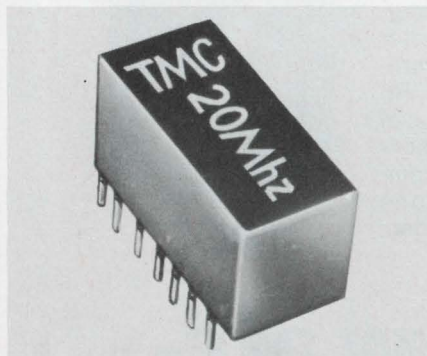# CUSTOM KEYBOARDS

Our Mercutronic Coding Keyboards are unique, using the award-winning mercury tube switching principle. They eliminate printed circuit boards, soldered connections and bounce. The keyboards' coded output will switch IC logic directly, with no gating or delay required.

Individual keys can be easily extracted for replacement, life testing has exceeded 50,000,000 cycles. No standby power is required.

a.

COMPONENTS

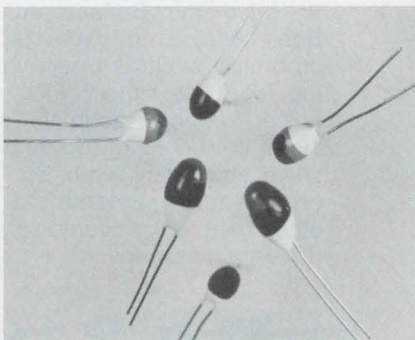## IC crystal oscillator comes in a 14-pin DIP

TMC Systems, Inc., 930 W. 23 St., Tempe, Ariz. P&A: from $18.45; 2 to 10 wks.

Covering the frequency range of 18 to 25 MHz, the XO-2007 IC crystal oscillator features a 14-pin dual-in-line package configuration. Stability is ±50 ppm over 0 to 50°C. Input power is 5 V dc ±10% at 22 to 30 mA. Output is a square-wave which drives TTL loads. Special ranges of 10 to 18 MHz and 26 to 30 MHz are available.

CIRCLE NO. 276

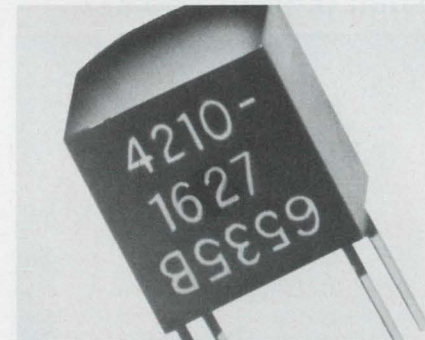## Tantalum capacitors reach 100 μF at 35 V

Siemens Corp., Components Div., 186 Wood Ave. South, Iselin, N.J. Phone: (201) 494-1000.

A line of miniature tantalum capacitors come with capacitance values of 0.1 to 100 μF, and in voltage ratings from 3 to 35 V dc. Reportedly priced competitively with miniature aluminum electrolytics, series B45134 units can operate over a temperature range of −55 to +85°C without derating. These epoxy-coated devices have radial leads.

CIRCLE NO. 277

Miniature transformer has 0.4-μs rise time

Bourns Pacific Magnetics Corp., 28151 Highway 74, Romoland, Calif. Phone: (714) 657-5195

Designed to operate over the full temperature range of −55 to +125°C, the model 4210-1627 miniature high-voltage blocking oscillator transformer has rise and fall times of 0.4 and 1 μs, respectively. Specifications include insulation resistance of 10^4 MΩ, rated power of 1500 mW at a 30% duty cycle, and dielectric strength of 1120 V ac.

CIRCLE NO. 278

Security terminal contains computer

Saber Laboratories, Inc., 1150 Bryant St., San Francisco, Calif. Phone: (415) 431-4707.

As easy to use as a typewriter and packaged in a standard attache case, the Mark IV data terminal may be used for business communications and messages of a high-security nature. It has a computer, a keyboard and an alphanumeric tape printer. The built-in computer generates the programs necessary to encipher (code) and decipher (decode) messages.

CIRCLE NO. 279

Portable terminal prints alphanumerics

Electronic Arrays, Inc., 9060 Winnetka Ave., Northridge, Calif. Phone: (213) 882-9610.

A new portable computer terminal can accept and printout either fixed or variable alphanumeric data and/or query/responses with simultaneous printout of the alphanumeric data. Model CT-100 communicates with the computer in ASCII code and format. It contains a 12-pushbutton keyboard, a reader for plastic punched cards, a strip printer, and a coupler.

CIRCLE NO. 280

CRT display terminals sell for only $1280

TEC, Inc., 6700 S. Washington Ave., Eden Prairie, Minn. Phone: (612) 941-1100. Price: $1280.

Priced from $1280 in quantities of 100, a new line of CRT display terminals offers a repertoire of 68 dot-matrix characters available in a variety of formats—up to 1536 characters per page—displayed on a standard TV monitor. Series 400 Data-Screen terminals are available in single or multi-station configurations. They are self-contained with a detachable keyboard.

CIRCLE NO. 281