

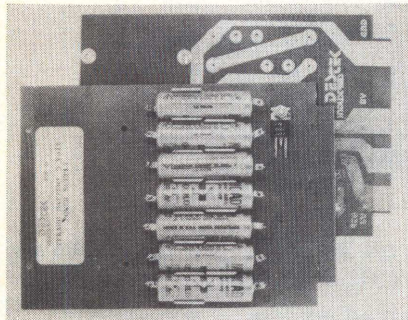
PRODUCTS

SUBMINIATURE TOGGLE SWITCH

Giga-Switch, designed for low energy applications at frequencies from dc to approx 1 GHz, features low internal resistance, low inductance, and low capacitance. Teflon fluorocarbon resins are used for the insulating components. Switch contacts are corrosion-resistant gold alloy, made to last through the unit's 100,000-cycle service life. Switch is used in attenuator pad switching with flat attenuation of up to 30-dB steps at 1 GHz and an insertion loss of <math><0.1\text{ dB}</math>. It is also suitable for coax connector switching. **Instru-Mech, Inc.**, 1275 Bloomfield Ave, Fairfield, NJ 07006.

Circle 231 on Inquiry Card

BATTERY POWER SUPPLY



5 $\pm 0.25\text{-V}$ regulated, 8-V unregulated Tekard power supply, on a plug-in 4.5" wide PC card in both 4.5 and 6.5" lengths, has a capacity of $\frac{1}{2}$ A-hr. It includes a charger plus a jack and insulating washers. Load regulation at 25°C is 15 mA typ, quiescent current is 4.2 mA typ, and op temp range is 0 to 60°C. Card is designed to fit a 0.156" spaced, 22-contact connector, or any other with finger spacing that accepts the 3.59" wide edgeboard plug. **Destek™ Industries**, PO Box 24163, Los Angeles, CA 90024.

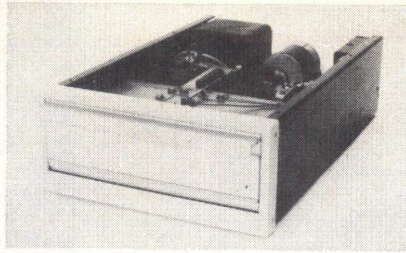
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TEMPERATURE SENSOR

TS3-57S Moxie thermal avalanche switch is a thin-film semiconductor that can be interfaced directly with triacs or other common power control devices. Operating as a combination sensor/discriminator/amp, it generates pulses directly proportional to temperature. It requires only a series resistor to operate from 110/220-Vac mains and eliminates complex ICs. Pulse output responds continuously to temp with nom sensitivity of 2 V/°C. Switching speed is 50 ns. **Multi-State Devices Ltd**, 1330 Trans-Canada Hwy, Dorval, Quebec H9P 1H8, Canada.

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FLEXIBLE DISC DRIVE



FD500, offering an ac motor, a locking door that cannot be opened when the drive is reading or writing data, and a ferrite head that is fully retractable from media under program control, is also available as a mechanics-only unit. The machine is fully compatible with data written on IBM 3540 or 3740 systems, and data recorded can be read by either system. Using an IBM diskette or equivalent medium, it stores up to 3.2 million bits of unformatted data, and transfers data at 250 kilobits/s. **Pertec Corp, Peripheral Equipment Div**, 9600 Irondale Ave, Chatsworth, CA 91311.

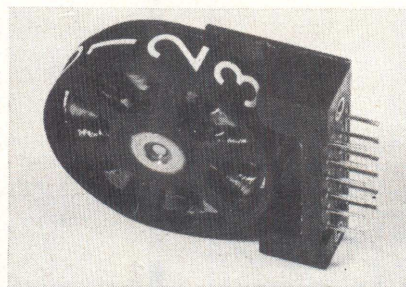
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MINIATURE RELAYS

Model PS 101 for 120-V and PS 201 for 240-V operation switch a 1-A inductive load, with a 1-cycle surge current rating to 20 A. Isolation, input-to-input, is 1500 V rms. PC board mounting eliminates discrete wiring of components. A single silicon-controlled rectifier is used; and optical elements are used for photoisolation, replacing reed or mechanical contact and hence eliminating moving parts. This, combined with zero-voltage switching, eliminates electrical noise and circuit transients. **International Rectifier Corp, Crydom Div**, 1521 Grand Ave, El Segundo, CA 90245.

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DIGITAL INDICATOR



Model H5220 is a TTL-compatible, magnetic-wheel, 12-V unit designed to be driven by a 5445/7445 BCD-to-decimal driver. It has an op temp range of -55 to 95°C, meets MIL-STD-202 environmental requirements, may be mounted on 0.295" centers, and is available with pins for direct PC board mounting or with lead wires for harnessing. **Novatronics of Canada Ltd**, PO Box 610, Stratford, Ontario, Canada.

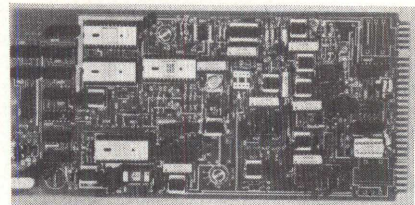
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KEYSWITCHES

Compact, low profile keyboards, for calculators, POS devices, and data entry equipment, may be designed with Lo-Pro 5 or wobble-free Lo-Pro 20 keyswitches. Both are available in a high-profile configuration as well. Lo-Pro 20 and its high-profile equivalent have integral elastomeric cushions to increase error-free operations to 20 million. Std coding, such as ASCII, is available, while variations can be ordered. Engineering assistance for designing custom logic can also be provided. **Stackpole Components Co**, PO Box 14466, Raleigh, NC 22610.

Circle 237 on Inquiry Card

LOW COST DATA MODEM CARD

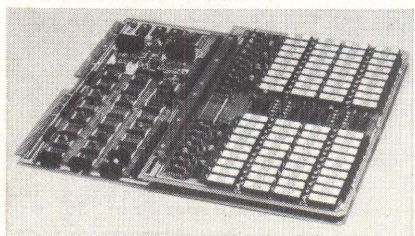


With TE-2400, designed for type 3002 unconditioned lines, all modulation, demodulation, and timing recovery functions are performed in four MOS/LSI chips. Predicted MTBF exceeds 40,000 hr. A strap option permits the modem equalizer to be inserted into transmitter or receiver circuits. Modulation is compatible with CCITT V.26; digital interface is in accordance with RS-232-C and CCITT V.24. Modem has fast synchronization, and request-to-send/clear-to-send time can be set to 1, 10, 20, or 150 ms. **Rockwell International, Collins Radio Group**, Dallas, TX 75207.

Circle 238 on Inquiry Card

HIGH SPEED, STATIC n-MOS MEMORY CARD

TM-200, which uses a static n-MOS RAM, has a max access time of 130 ns and a min cycle time of 250 ns. Compact size and full TTL compatibility make it suitable for any high speed memory application. It consists of a 4K x 18-bit basic storage card including timing/control and/or a stackable memory card without timing/control. With the stacked assembly, a single card slot is capable of storing 16 kilobytes, organized as either 8K x 18 or 16K x 9. **Advanced Memory Systems, Inc**, 1276 Hammerwood Ave, Sunnyvale, CA 94086.



Circle 239 on Inquiry Card