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## AMP PACIFIC

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For AMP products and services in other countries, write: AMP International Division, Harrisburg, PA 17105, USA.

## COMPONENTS

### Hall-effect switch replaces mechanicals

Texas Instruments, P.O. Box 5012, Dallas, TX 75222. Dale Pippenger (214) 238-3527, \$0.36; stock.

A bipolar magnetically activated switch, the TL170 uses the Hall effect for sensing a magnetic field. It performs electrical switching with hysteresis. Operation is with an input magnetic field of 700 Gauss and it provides a switching hysteresis of 200 Gauss. Action is bipolar with minimum field density of  $\pm 350$  Gauss over 0 to 70 C.

CIRCLE NO. 338

### Freq-sensitive relay accepts any waveshapes

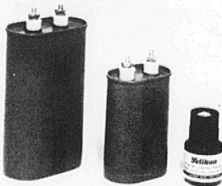


Solid State Electronics, 15321 Rayen St., Sepulveda, CA 91343. Edward Politi (213) 785-4473.

Contacts on the Model-471 frequency-sensitive relay will pull in when the input frequency is within  $\pm 5\%$  of the specified value, regardless of wave shape. Sine, square, triangular waves, and pulses will actuate the device, which comes in versions from 50 Hz to 100 kHz. The contacts are an isolated spdt, form-C reed relay rated at 0.25 A, 28 V dc, 3 W max. A screwdriver adjustment is provided for fine setting of the closure frequency. Power-supply requirements are 28 V dc at 20 mA, and the operating temperature range is from  $-30$  to  $+80$  C. Hermetic sealing of the can allows the unit to operate in 100% relative humidity environments up to 90 C. The relay was designed to meet the requirements of MIL-E-5272.

CIRCLE NO. 339

### Ecologically sensitive? Use this capacitor

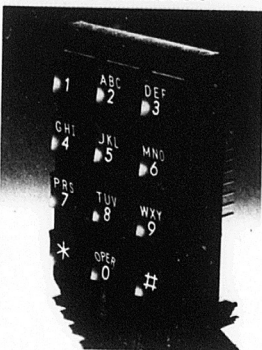


Sprague Electric, North Adams, MA 01247. (413) 664-4411.

Commutating capacitors, designed for ecologically sensitive applications, use a nontoxic biodegradable impregnant having a flash point of 430 F. The 365P paper capacitors are rated at 200 and 300 V ac and the 366P dual-dielectric, paper-polypropylene types are rated at 400, 500, 700 and 800 V ac.

CIRCLE NO. 340

### Look-alike keyboard matches Bell models



Chomerics, 77 Dragon St., Woburn, MA 01801. Rick Steeger (617) 935-4850, \$2.00 (OEM-qty).

Western Electric's standard Touch-Tone keyboard is duplicated by the model-LT telephone keyboard. Key centers of 0.66 in., 10-12 oz. operating force and 0.125 in. key travel exactly match Bell System models. The units also feature built-in overtravel and mechanical hysteresis. Available with single-pole or Touch-Tone row/column encoding, matrix encoding can be provided with either one or two commons, or with none. Termination is by means of a flexible tail, or cylindrical pins that accept a variety of connectors and allow soldering.

CIRCLE NO. 341