

Immediately available Pulse Transformers Delay Lines

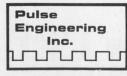
Now you can save time and money by specifying standard Pulse transformers or delay lines from our wide range of in-stock components. We have the most commonly used designs—complete and reliable. And Pulse engineers are ready to assist you with unique designs.

Typical Applications

- 1. SCR and TRIAC control
- Small signal coupling and isolation
- 3. Baluns
- 4. Floating switches
- 5. Line drivers and receivers
- 6. DC isolation
- 7. Timing delays

For the broadest selection of in-stock components, available for immediate delivery in any quantity, call our catalog sales department.

	TRANS		E/REC MER S			
(not shown)						
Catalog Number	Turns Ratio ± 5%	OCL mh MIN	ET V-μS MIN	Cw/w pf MAX	LL (μh MAX)	
8380 8381 8382 8383 8384 8385 8386 8387 8388	2ct:1ct:1ct 2ct:1ct:1ct 2ct:1ct:1ct 2ct:2ct:1ct 2ct:2ct:1ct 2ct:2ct:1ct 1ct:1ct:1ct 1ct:1ct:1ct	0.2 0.5 1.0 0.2 0.5 1.0 0.2 0.5	56 88 120 56 88 120 56 88 120	6.0 6.0 7.5 7.5 7.5 6.0 7.5	4.5 10.0 18.0 3.0 7.0 16.0 1.0 7.0	



A Varian Subsidiary P. O. Box 12235 San Diego, Calif. 92112 (714) 279-5900 TWX 910-335-1527 **MODULES & SUBASSEMBLIES**

53-position keyboard costs just \$49



Controls Research Corp., 2100 S. Fairview, Santa Ana, Calif. 92704. (714) 557-7161. \$49 (5000); stock to 8 wks.

The Model 7100 is a 53-position keyboard ready for installation and operation. A dynamically-scanned MSI electronic encoding system simplifies the electronics and enables all circuitry to be housed on a single PC board complete with key-switch modules. The standard keyboard conforms to the proposed standards of the X4A9/199B committee of ANSI. Features include full ASCII coding (shifted, unshifted, control and control/shift), standard two-key rollover interlock, low-profile single PC board design, less than 300 mA power consumption and standard typewriter array.

CIRCLE NO. 270

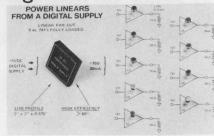
No contact amps sensor has ac input, dc output

American Aerospace Controls, Inc., 129 Verdi St., Farmingdale, N.Y. 11735. (516) 694-5100. \$35 (1-9); Stock to 4 wks.

The Series 1003A-M1 industrial grade sensors are designed for 60-Hz, ac-current monitoring. The new line requires no external operating power and permits sensing with complete electrical isolation. Sensing is accomplished by inserting the current-carrying conductor through a hole in the center of the device. The alterating magnetic field surrounding the conductor creates an ac signal which is rectified and filtered to produce a 0 to 5 V dc output signal. The sensors are offered in six different models ranging from 0 to 2 A to 0 to 100 A. The units measure $1 \times 2 \times 2$ inches, with a 3/8-inch diameter pass-through hole.

CIRCLE NO. 271

Dc/dc converters offer high isolation



Stevens-Arnold Inc., 7 Elkins St., S. Boston, Mass. 02127. (617) 268-1170. \$39 to \$69 ea.; stock to 6 wks.

Stevens-Arnold is offering dc/dc converters having a high degree of isolation. Input voltages are 5, 12, 28 V, with dual output voltages of ±8, ±12, ±15 V and current ratings from ± 30 to ± 150 mA. Medical types have isolation of 10 pF and 8 kV dc. Seated height is 0.375 to 0.5-inches. The units are shielded on six sides and between primary and secondary of the coupling transformer for negligible rfi/emi. Both input and output are filtered, reducing spikes to 10 mA. On the output, high common mode isolation reduces ripple and noise to less than 40 mV pk-pk when measured wideband from 5 Hz to 10 MHz.

CIRCLE NO. 272

Speed controller eliminates cogging

Contronics, Inc., 2629 Johnstown Rd., Columbus, Ohio 43219. (614) 471-6466. \$89.

This Contronics motor speed controller allows precise regulation over an extremely wide speed range without cogging at low speeds. Its full-wave operation has built-in feedback sensing. Usable with either shunt wound or permanent magnet type motors, the unit gives close control, to a 3% variance, depending on motor characteristics. Unit incorporates linevoltage transient protection and can be protected with standard slow-blow fuses. Ac or dc motors, 3/4 to 1 HP, can be controlled, even under full-load start conditions. The controller weighs 20 oz., measures $7 \times 4-1/4 \times 3$ inches and is available for 115 or 230 V. 50 or 60 Hz input (105 or 210 V dc armature and field).

CIRCLE NO. 273