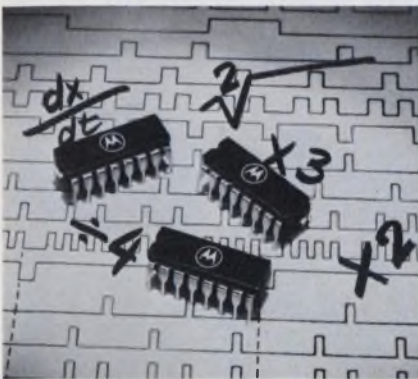


CMOS rate multiplier does arith functions



Motorola Semiconductor Products Inc., P.O. Box 20924, Phoenix, Ariz. 85036. (602) 273-3466. MC-14527CL: \$6.60; MC14527AL: \$11.85 (100-999).

The MC14527 BCD rate multiplier, a CMOS (CMOS) device, performs arithmetic, algebraic and differential-equation functions. The output of the multiplier has a pulse rate based on a BCD input number. This device is the first low power—0.25 μ W (quiescent)/package at 5 V dc—and high noise immunity (45% of V_{DD} typ) BCD rate multiplier. Previous digital rate multiplier functions have been available only in TTL devices.

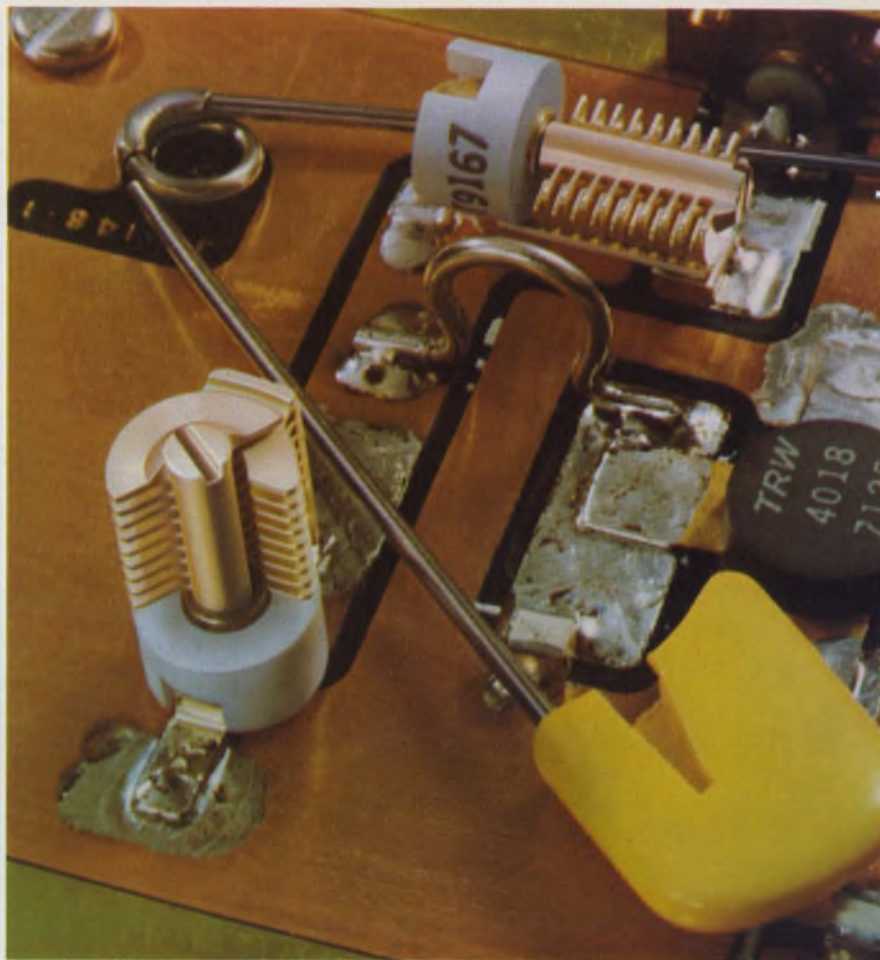
CIRCLE NO. 263

Programmable processor system

Fairchild Semiconductor, 464 Ellis St., Mountain View, Calif. 94040. (415) 962-3816

A family of microprogrammed MOS/LSI data processor circuits can be developed into a wide variety of small programmable digital processing systems. Called the PPS-25 (for Programmable Processor System), the system consists of a kit of six basic building blocks: the 3807/3803 keyboard circuits, 3805 arithmetic unit, 3806 function and timing unit, 3808/3809 serial memory registers, 3810 ROM and the 3811 output device. Although the kit comprises standard devices, it can be adapted to individual system requirements by microprogramming the 3810 ROM.

CIRCLE NO. 264



The smallest 180° tuning air variable capacitors just had babies!

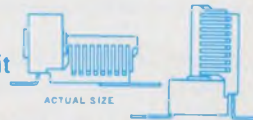
Right. Johnson's exclusive subminiature type "T" air variable capacitors (PC mounts) now come with stripline terminals for microwave applications, either vertical or horizontal tuning.

These space-savers are only about 1/3 the volume of a "U" capacitor, but they offer extraordinarily high mechanical and electrical performance for critical applications.

Rotors and stators are as stable and uniform as precision machining from solid brass extrusion can make them. A high 1 1/2 to 8 ounce-inches torque holds the rotor securely under vibration.

Temperature coefficient is very low plus 30 ± 15 ppm/° C. Q is high, typically 1800 at 200 MHz. Three capacitance ranges span from 1.3 pF to 15.7 pF.

Our 45 years of experience really shows up in these new capacitors. But why take our word for it when a stamp will get you a couple of freebies and you can check them out for yourself.



E. F. JOHNSON COMPANY / 3301 Tenth Ave., S.W. / Waseca, Minnesota 56093

Check type and range of sample(s) needed:	Capacitance range	1.3 to 5.4	1.7 to 11.0	1.9 to 15.7
Horizontal tuning		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Vertical tuning		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Name _____ Phone _____

Firm _____ Title _____

Address _____

City _____ State _____ Zip _____



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INFORMATION RETRIEVAL NUMBER 55