

## What is SMK showing at INTERCON?

Outstanding SMK electronic parts . . . . . services . . . . . solutions!  
We have so much to offer we can't find words here to tell you. But, for complete details, visit our display at INTERCON. Lots of reference materials will be available and our experts of electronics will answer all questions.

### INTERCON BOOTH NO.1317

#### SMK ELECTRONICS CORP. OF AMERICA

743, W. Gardena Blvd., Gardena,  
Calif. 90247, U.S.A.  
Phone: (213) 770-8915  
Telex: 691144

#### SHOWA MUSEN KOGYO CO., LTD.

No. 5-5, 6-chome, Togoshi,  
Shinagawa-ku, Tokyo 142, Japan.  
Phone: 785-1111  
Telex: 2466301 SMK TOK J  
Cable: "SHOWAMUSEN" TOKYO

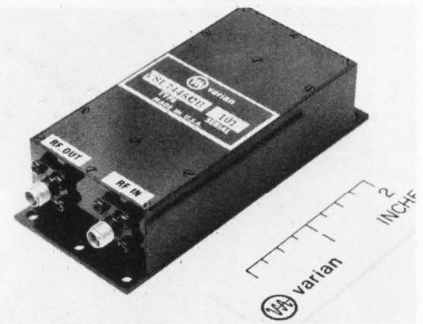
#### \*SMK MAIN PRODUCTS:

Switches, Connectors, Terminals, Sockets, Plugs, Jacks, Back Panel Boards, Fuse Holders, Keyboard, Switches, Others.

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## MICROWAVES & LASERS

### EW amplifiers feature 7-dB noise figure

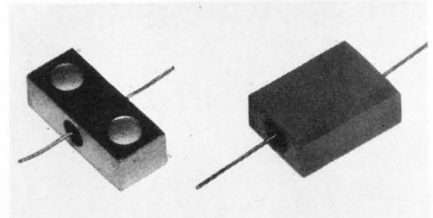


Varian, Solid State West Div., 611  
Hansen Way, Palo Alto, Calif.  
94303. (415) 493-4000.

Two medium power, solid-state amplifiers are extended-band low-noise units primarily for electronic warfare applications and test equipment. The VSL-7445C is a 1.0-to-2.6-GHz amplifier providing over 200 mW output, while the VSS-7455A unit has a frequency range of 2 to 4 GHz with a power output in excess of 100 mW. Typical noise figures are 7.5 and 6.5 dB, respectively. Both units weigh 10 oz and meet the general requirements of MIL-E-5400 and MIL-E-16400.

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### Detector modules come in compact packages



Microwave Associates, South Ave.,  
Burlington, Mass. 01803. (617)  
272-3000. \$40 (1-9); 3 wk.

Two stripline/microstrip detector modules are available in compact packages. Called the MA-7707H and MA-7707J, the detectors have a dynamic range of 70 dB with -52 dBm TSS at 18 GHz. Square law characteristics are maintained for input power levels below -20 dBm. Response is linear above 0 dBm. Operating frequencies range from 0.1 to 18 GHz. The packages measure as small as 0.16 × 0.125 × 0.410 inches (H package).

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# 1974

## TOTALIZE

## IT'S THE YEAR FOR...

### THE DESIGNERS' CHOICE

... Our Slim DPC-200 Counter/Display; a high performance component for all TTL/DTL serial totalizing to 18 MHz.

- 2 to 5 1/2 decades
- +5 VDC Power input
- BCD output
- Pre-wired, ready to install
- Versatile, low cost

**FREE Applications Manual**  
**DURGIN-BROWNE INC.**  
80 Allen Road  
So. Burlington, Vermont 05401  
(802) 863-6873

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## Compact High- Level Stability!

### TEMPERATURE COMPENSATED X-TAL OSCILLATORS

Now, a highly stable crystal oscillator which does not have a temperature controlled oven.

Applications are manifold, including mobile radio equipment, tv satellite equipment, and general communication equipment.

**FEATURES:** ● Compact, with high stability ● Low power consumption ● Short start-up time ● Low aging characteristics.

House of Crystal...Kinseki

**1 Hz  
to 270  
MHz**

**KSS TCXO SERIES**



#### STANDARD TECHNICAL DATA

Item	Type	TCXO-3E	TCXO-4F	TCXO-5A
Frequency range		55MHz~110MHz	55MHz~270MHz	1Hz~500kHz
Dimensions L×W×H (mm)		65×40×24	65×55×24	55×60×35
Weight (g)		120	140	160

For catalogue please write to:  
**Kinseki Laboratory Ltd.**  
2-23-17, MIYASAKA, SETAGAYA-KU, TOKYO, JAPAN

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