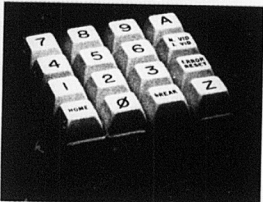


COMPONENTS

Keyboard seals out dirt, dust and liquids

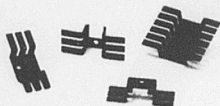


Datanetics, 18065 Euclid St., Fountain Valley, CA 92708. Darrel West (714) 549-1191.

Dataseal eliminates malfunction of keyboards caused by the environment. Dust, dirt and liquids are totally sealed out below the key caps. Only the key cap is exposed. Also, seals can be extended to assure complete waterproofing of keyboards, including exposed electronics. The keyboard is made from polyurethane and it is impervious to most common chemicals. Custom design to fit any keyboard layout is available.

CIRCLE NO. 356

Heat sinks with winged effect have low profile

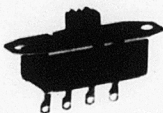


Aavid Eng., 30 Cook Ct., Laconia, NH 03246. (603) 524-4443.

Heat sinks, 5071, feature a winged effect for extra cooling surface. The low profile of these heat sinks makes them ideal for mounting on PC boards, where high-density packaging of plastic power semiconductors makes cooling a critical requirement. The heat sinks are available plain or with gold-chromate or black anodizing. For use requiring extra power, they may be stacked for multiside cooling of the TO-220 case. A sample assortment of four heat sinks is available free of charge for prototype and testing use.

CIRCLE NO. 357

Mini switches have bifurcated contacts

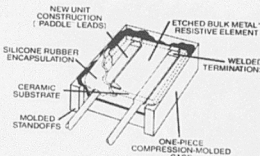
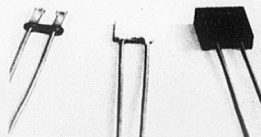


CW Industries, P.O. Box 96, Warmminster, PA 18974. Keith Nelson. (215) 355-7080.

Miniature slide switches have bifurcated contacts and provide "make-before-break" or "break-before-make" action. They are rated 0.5 A ac/dc at 125 V and are UL and CSA listed. Button height is 0.2 in. and solder or PC terminals are available.

CIRCLE NO. 358

Precision resistors meet toughest spec

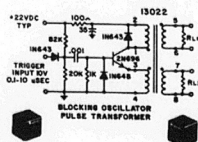


Vishay Resistive Systems, 63 Lincoln Hwy., Malvern, PA 19355. (215) 644-1300.

S102C resistors meet or exceed all requirements of MIL-R-55182/9, characteristic Y, the most demanding resistor specification issued. A new design gives lead integrity, resistance to moisture and high-temperature exposure, and improved load-life stability. Encapsulation in a one-piece compression-molded case provides maximum physical and chemical protection under all environmental conditions. Possible thermal EMF sources are reduced to a minimum. The resistors are presently available in values from 1 Ω to 100 k Ω , and in tolerances from $\pm 0.005\%$ to $\pm 1\%$.

CIRCLE NO. 359

Transformers handle 0.5 to 25- μ s pulse widths



Magnetico, 182 Morris Ave., Holtsville, NY 11742. Harold Eicher (516) 654-1166. \$3.90 (5000 qty); stock to 4 wk.

Blocking-oscillator pulse transformers, PN13020 through PN13022, operate with pulse widths of 0.5 to 25 μ s and voltages to 22 V. Rise and fall times are less than 0.2 μ s. They are packaged in a Grade 5 (encapsulated), 9/16-in. cube for PC mounting. Operation is from -55 to +125 C.

CIRCLE NO. 360

Tiny fan delivers air at 12 cfm

Rotron, Woodstock, NY 12498. (914) 679-2401.

Minimax is a 9-frame cooling fan for high-density electronic packages. In a 1-1/8 in. diameter and just over 1-1/2 in. thickness it packs a capacity of 12 cfm at free delivery. It can be used in ambient temperatures from -55 to 100 C with a life expectancy in excess of 20,000 h.

CIRCLE NO. 361

Slide pot uses plastic-resistance element

Dale Electronics, Dept. 860, Box 609, Columbus, NE 68601. (402) 564-3131. \$1.51 (1000 qty).

A line of custom slide potentiometers for PC boards has a conductive-plastic resistance element and dissipates 1/4 W at 85 C. Available in a resistance range of 100 Ω to 1 M Ω , the slide pots have a tolerance of $\pm 10\%$. Independent linearity of $\pm 1.5\%$ is available in values of 2 k Ω and up. Internal design provides a positive adjustment stroke of 2 in. Nominal slide-starting force is 280 gm with mechanical stops available that present a max resistance of 10 times the nominal starting force.

CIRCLE NO. 362