


# COMPLETE 3-TERMINAL IC VOLTAGE REGULATORS

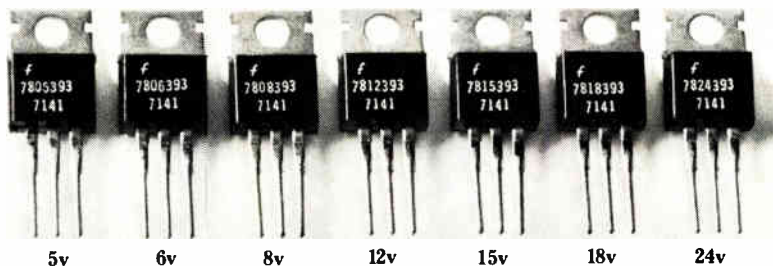


## **New 7800 family: first with complete voltage regulation on a single chip.**

Now you can virtually forget about your VR design problems and get on with the rest of your system. Our new 7800 series is the first high quality, sophisticated, versatile, yet simple way of regulating voltage. At a price low enough to inventory in quantity, so you can use them as you need them.

Here's why:

**Simple to use:** Complete and self-contained—one chip in one plastic package. Connect 3 terminals, bolt in place and add the normal line decoupling capacitor. Requires no other external components. You get optimum performance with no calculations.



**Superior Performance:** Output voltage tolerance better than  $\pm 5\%$ ; line regulation of 0.01%/volt; output impedance of  $0.03\Omega$ . Output current rated at 1 Amp (usable to 1.5 Amps depending on input voltage and heat sinking considerations).

**Self-Protecting:** Internal current limiting, thermal shut-down and safe area compensation protect device and circuit from current, power, temperature fluctuations. Resets automatically.

**Versatile & Compact:** Use locally...at the power source, on a remote chassis, on PC cards, wherever is most convenient and efficient. Compact; you can miniaturize your design. Result: simpler, smaller, cheaper, easier-to-use power supply and circuitry.

**Low Cost:** 1-24@\$2.20. 25-99@\$2.00. 100-999@\$1.75! (About 1/2 the cost of the elements required in a commonly accepted voltage regulator—and virtually no design cost.)

**Available:** In quantity, from distributor or factory stock. TO-220 package now; TO-3 in first quarter of 1972. There are 7 versions (last 2 digits indicate voltage): 7805, 7806, 7808, 7812, 7815, 7818, 7824.

Write for Data Sheets and application information.

**MADE IN  
FAIRCHILD**