

## SERIES 6100 and 7100 DISPLAY DRIVERS

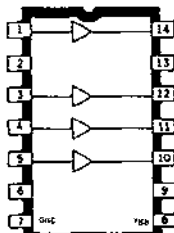
These devices are monolithic high-voltage bipolar integrated circuits for interfacing between MOS, or other low-voltage circuitry, and the cathode of gas discharge display panels. These devices dramatically reduce the number of discrete components normally required with panels, such as the Burroughs Panaplex®, in calculator, clock, and instrumentation applications.

### APPLICATIONS

- Point-of-Sale Terminals
- Instruments
- Cash Registers
- Calculators
- Clocks
- Automobile Dash Boards

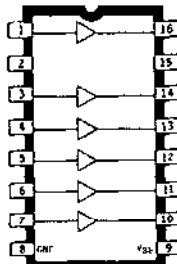
### FEATURES

- Reliable Monolithic Construction
- High Output Breakdown Voltage:
  - 6100 Series = +110 V
  - 7100 Series = -110 V
- Input Voltage,  $V_{in}$  = +15 V
- Low Power
- Minimum Size
- Hermetically-Sealed Packages to MIL-M-38510
- Two Package Configurations:
  - Plastic (14-, 16-, and 18-pin) Dual In-Line A
  - Hermetic (14-, 16-, and 18-pin) Dual In-Line H



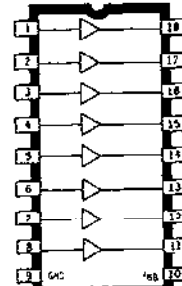
A-9642

UDN-6144A  
UDN-6144H



A-9643

UDN-6164A  
UDN-6164H



A-9641

UDN-6184A  
UDN-6184H

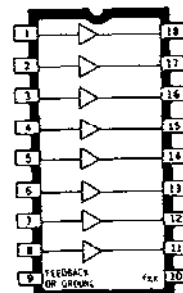
Gas discharge display digit drivers designed for interfacing between MOS or other low-voltage circuitry. Used with multiplexed gas discharge display panels in calculator, clock or instrumentation applications. The Type UDN-6144A contains 4 complete drivers, the Type UDN-6164A contains 6 drivers, and the UDN-6184 contains 8 drivers. Each driver contains appropriate level shifting, signal amplification, off stage voltage bias, and 70 mA maximum output current sourcing for the sequential addressing of display panel anodes.

The Series 7100 high voltage, bipolar integrated circuits are intended for interfacing between MOS, or other low-voltage circuitry, and the cathode of gas discharge display panels. UDN-7183A is designed for use with 0.7" clock panels and 0.4" calculator panels. UDN-7186A is intended for use with 0.25" calculator panels.

Series 7100 Display Drivers are available in 18-pin dual in-line plastic A or 18-pin dual in-line hermetic H packages.

Output Current,  $I_{out}$ , in mA:

- UDN-7180A/H = 14 Max., 0-14 Nom.
- UDN-7183A/H = 3.25 Max., 2.0 Nom.
- UDN-7184A/H = 2 Max., 1.2 Nom.
- UDN-7186A/H = 1 Max., 0.6 Nom.



A-9640

UDN-7180A, 83A, 84A, 86A  
UDN-7180H, 83H, 84H, 86H