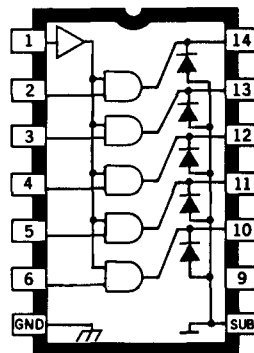


## TYPE UDN-2956A and UDN-2957A RELAY DRIVERS

These devices are chiefly intended as interface circuits for telecommunication relays and similar loads, but also have additional application potential. The enable pin must be high ( $\geq 5.0$  V for UDN-2956A and  $\geq 2.4$  V for UDN-2957A) for operation of the outputs, while a low logic 0 on the enable pin inhibits all the outputs. The UDN-2956A is intended for MOS interface applications, the UDN-2957A for TTL, LSTTL, and 5 V CMOS applications.

### FEATURES

- Output Breakdown Voltage:  $-80$  V each output
- Output Source Current: 500 mA Max. (each output)
- Plastic Package (14-pin) Dual In-Line A



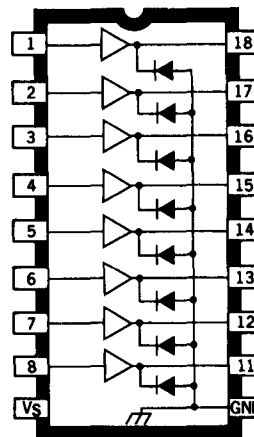
DWG. NO. A-10, 229

## SERIES 2980 SOURCE DRIVERS

The UDN-2980 series are eight channel arrays designed for general purpose high voltage/high current sourcing applications. Output loads range from LEDs, relays, solenoids, stepping motors, lamps, etc. The UDN-2981A and UDN-2983A are intended for TTL, DTL, and 5 V CMOS interface applications while the UDN-2982A and UDN-2984A are intended for 12 V CMOS and PMOS logic interface.

### FEATURES

- Output Breakdown Voltage:  $+50$  V (2981, 2982),  $+80$  V (2983, 2984)
- Output Source Current (each output):  $-350$  mA nominal,  $-500$  mA max.
- Plastic Package (18-pin) Dual In-Line A



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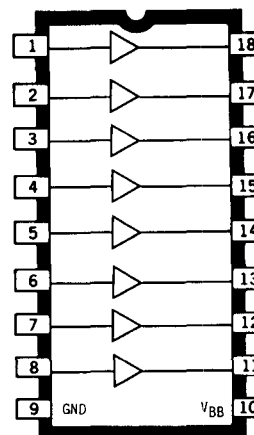
## TYPE UDN-6118A and UDN-6128A FLUORESCENT DISPLAY DRIVERS

Consisting of eight NPN Darlington output stages, the associated common-emitter input stages, and a common bias supply, Type UDN-6118A and UDN-6128A display drivers are designed to interface between low-level digital logic and vacuum fluorescent displays.

The Type UDN-6118A device is compatible with TTL, Schottky TTL, DTL, and 5 volt CMOS. The Type UDN-6128A device is intended for use with MOS (PMOS or CMOS) logic operating from supply voltages of 6 V to 15 V. With either device, the output load is activated when the input is pulled towards the positive supply (active 'high').

### FEATURES

- Digit or Segment Drivers
- Low Input Current:  $900\mu\text{A}$  max. at  $V_{in} = 15$  V
- Integral Output Pulldown Resistors
- Low Power: 480 mW max.
- Reliable Monolithic Construction



DWG. No. A-9C41

- High Output Breakdown Voltage: 80 V min.
- Plastic Package (18-pin) Dual In-Line A