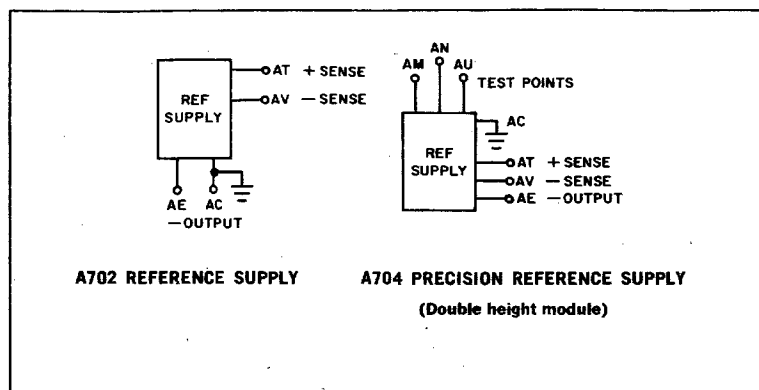


# REFERENCE SUPPLIES

## TYPES A702, A704

# A

## SERIES



Module Type	Output	Current	Temperature Coefficient	Regulation	Ripple Peak to Peak
A702	-10 v	±60 ma	1mv/°C	30 mv, no load to full load	10 mv
A704	-10 v	-90 to +40 ma	1 mv/8 hrs 1 mv/15° to 35°C 4 mv/0° to 50°C	0.1 mv, no load to full load	0.1 mv

Module Type	Adjustment Resolution	Input Power	Use	Output Impedance
A702	5 mv	-15 v/100 ma +10 v (B)/10 ma	Load with 500 μf at load. May also be preloaded if desired	0.5 ohms
A704	0.01 mv	-15 ±2 v/250 ma	See below for sensing and preloading	0.0025 ohms

**REMOTE SENSING:** The input to the regulating circuits of the A704 is connected at sense terminals AT (+) and AV (-). Connection from these points to the load voltage at the most critical location provides maximum regulation at a selected point in a distributed or remote load. When the sense terminals are connected to the load at a relatively distant location, a capacitor of approximately 100 μf should be connected across the load at the sensing point.

**PRELOADING:** The supplies may be preloaded to ground or -15v to change the amount of current available in either direction. For driving DEC Digital-Analog Converter modules, -125 ma maximum can be obtained by connecting a 270Ω±5% 1 watt resistor from the -10v pin AE reference output to pin AC ground (A704 only).

**PIN CONNECTIONS:** The A704 is a double-sized module. The top pin letters are prefixed A.

**Wiring:** Digital-analog and analog-digital converters perform best when module locations and wiring are optimized. All Digital-Analog Converter modules should be side-by-side, with Type 932 bus strip used to bus pins E and pins F together on all converter modules. In an analog-digital converter, the comparator should be mounted next to the converter module for the bits of most significance. The reference supply module should be mounted nearby, and if the A704 is used, its sense terminals should be wired to pins E and F of the most-significant-bits converter module. The high quality ground must be connected to the common ground only at pin AC of the reference supply module, and this point should also be the common ground for analog inputs to analog-digital converters. Do not mount A-series modules closer than necessary to power supply transformers or other sources of fluctuating electric or magnetic fields.

A702 — \$ 58.00  
A704 — \$184.00