

## SPECIFICATIONS

## DEFLECTION FACTOR

5 mV/div to 5 V/div in 10 calibrated push-button steps (1-2-5 sequence). Accuracy is within 2% with GAIN adjusted at 10 mV/div. Uncalibrated VARIABLE is continuous between steps.

## BANDWIDTH

Mainframe	Bandwidth —3 dB	Risetime
7704	105 MHz	3.4 ns
7504	75 MHz	4.7 ns
7503	75 MHz	4.7 ns

AC COUPLED—10 Hz or less (lower —3 dB point).

## INPUT R and C

1 M $\Omega$  within 2%; 24 pF within 1 pF for all deflection factors.

## MAX INPUT VOLTAGE

DC COUPLED—500 V (DC + peak AC at 1 kHz or less).

AC COUPLED—500 V DC.

## MAX INPUT GATE CURRENT

$\leq 0.2$  nA from 0°C to 35°C; 3.2 nA from 35°C to 50°C.

## DC DRIFT

With ambient temperature 100  $\mu$ V/°C or 0.1 div or less, whichever is greater.

## DC OFFSET RANGE

At least  $\pm 1000$  div to  $\pm 1000$  div at 5 mV/div.

At least  $\pm 500$  div to  $\pm 500$  div at 10 mV/div to 5 V/div.

## INCLUDED STANDARD ACCESSORIES

Two instruction manuals 070-0977-00.

Please refer to Terms and Shipment, General Information page.



## DESCRIPTION

The 7A12 is a dual-channel plug-in amplifier for use with the 7000-Series mainframes. It is the basic building block for 3 or 4 trace operation. It features constant bandwidth for all deflection factors, 5 operating modes, trigger source selectivity, trace OFFSET with  $\pm 1000$  div range, color-keyed control grouping, and a trace IDENTIFY function.

The high density of controls on a 2 5/8 inch by 5 inch front panel was made possible, and very usable, by the development and use of lighted push buttons for all except continuously variable functions. The switches conserve space both in front and behind the panel, provide faster operation (direct steps to any position) and easy readability by backlighting.