

7A24 DC to 400-MHz Amplifier

## 7A24

- DC to 400-MHz Bandwidth
- 5-mV to 1-V/Div Calibrated Deflection Factors
- 50-Ω Input

The 7A24 is a high-performance, wide-band, dual-trace amplifier that provides 400-MHz bandwidth in the 7100-Series mainframes. Bandwidth is constant over the entire range of deflection sensitivities from 5 mV to 1 V/div. Input impedance is 50 Ω. The 7A24 features five operating modes, trigger-source selectability, and trace identify.

### CHARACTERISTICS

**Bandwidth**—DC Coupled: 400 MHz (5 mV to 1 V/div).

**Deflection Factor**—Calibrated: 5 mV to 1 V/div in eight steps (1-2-5 sequence). Accuracy is within 2% with gain adjusted at 5 mV/div. Uncalibrated: Variable continuously between steps to a maximum of at least 2.5 V/div.

**Input Z**—50 Ω within 0.5%;

#### VSWR

	≤ 1.25	DC to 350 MHz
5 mV-20 mV	≤ 1.40	350 to 400 MHz
50 mV-1 V	≤ 1.20	DC to 400 MHz

**Maximum Input Voltage**—DC Coupled: 5 V RMS.

**DC Stability**—Drift with Ambient Temperature (Line Voltage Constant): 0.02 div/°C. Drift with Time (Ambient Temperature and Line Voltage Constant): 0.02 div in any one minute after one-hour warm-up.

**Displayed Noise**—0.7 div or less at 5 mV/div (with a 7900 Series mainframe).  
**Common-Mode Rejection Ratio**—At least 10:1, dc to 50 MHz.

### ORDERING INFORMATION

7A24 Amplifier \$2,760  
Includes: Instruction manual (070-1485-00).

## 7A26

- DC to 200-MHz Bandwidth
- 5-mV to 5-V/Div Calibrated Deflection Factors
- 1-MΩ Input

The 7A26 is a dual-trace amplifier that provides a bandwidth of 200 MHz in the 7900- and 7100-Series mainframes. Bandwidth is constant over the entire range of deflection sensitivities of 5 mV to 5 V/div. Bandwidth may be limited to 20 MHz to reduce displayed noise in lower-frequency applications. The 7A26 features five operating modes, trigger-source selectability, and trace-identify.

### CHARACTERISTICS

**Bandwidth**—DC Coupled: 200 MHz (5 mV to 5 V/div). AC Coupled: 10 Hz or less to 200 MHz (5 mV to 5 V/div).

**Deflection Factor**—Calibrated: 5 mV to 5 V/div in ten steps (1-2-5 sequence). Accuracy is within 2% with gain adjusted at 10 mV/div. Uncalibrated: Variable continuously between steps to a maximum of at least 12.5 V/div.

**Input R and C**—1 MΩ within 2%; ≈ 20 pF.

**Maximum Input Voltage**—DC Coupled: 250 V (dc + peak ac), ac component 500 V p-p maximum, 1 kHz or less. AC Coupled: 500 V (dc + peak ac), ac component 500 V p-p maximum, 1 kHz or less.

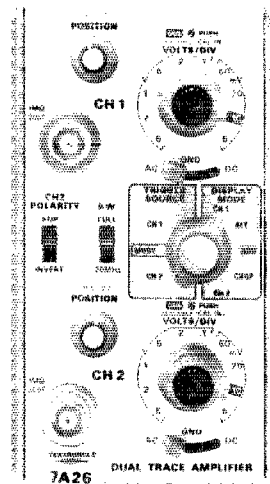
**DC Stability**—Drift with Ambient Temperature (Line Voltage Constant): 0.02 div/°C. Drift with Time (Ambient Temperature and Line Voltage Constant): 0.02 division in any one minute after one-hour warm up.

**Displayed Noise**—0.1 div or less at 5 mV/div (with a 7900-Series mainframe).

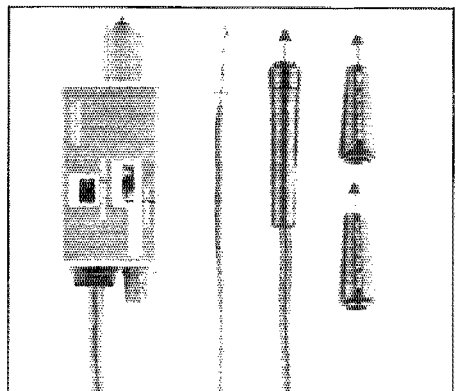
**Common-Mode Rejection Ratio (Add, CH 2 Invert)**—At least 10:1, dc to 50 MHz.

### ORDERING INFORMATION

7A26 Amplifier \$2,170  
Includes: Instruction manual (070-1484-01).



7A26 DC to 200-MHz Amplifier



## P6201 FET Probe

- DC to 900-MHz Bandwidth
- 50-Ω or 1-MΩ Inputs

The P6201 is an active FET probe that provides unity gain and dc to 900-MHz bandwidth. The low probe-tip capacitance permits coupling of high-frequency signals to an oscilloscope with minimum loading on the circuit being tested. Plug-in attenuator heads provide higher input resistance and reduced input capacitance. Refer to the Accessories section for additional characteristics.

### ORDERING INFORMATION

P6201 1X, FET Probe \$1,250