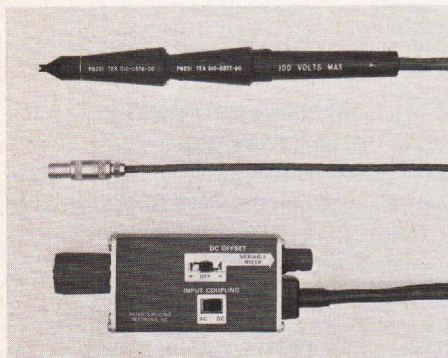


P6201 Dc to 900 MHz



Unity Gain
Two Plug-on Attenuator Heads that
Maintain Scope Readout Factor

Low Input Capacitance
Dc Offset
Ac-Dc Coupling Switch

SPECIFICATIONS

Bandwidth — Dc to 900 MHz (−3 dB). **Rise Time** — 0.4 ns or less. **Probe Gain** — 1X within 3%. **Attenuator Accuracy** — ≤4% with probe (10X and 100X). **Input Impedance** — Probe only. 100 kΩ within 1%, shunted by ≈3.0 pF. Attenuator heads are 1 MΩ within 1%, shunted by 1.5 pF or less. **Dynamic Signal Range** — At least ±600 mV; extended to ±6 V with 10X Attenuator; ±60 V. **Dc Offset Range** — At least −5.6 to +5.6 V without attenuator head. Effective offset is extended by 10X and 100X attenuator heads to ±56 V and ±200 V, respectively. **Noise** — 300 μV or less at output (measured tangentially). **Maximum Input Voltage** — ±100 V, probe only; ±200 V with attenuator heads, derating with frequency. **LF Response** — 10 Hz or lower, −3 dB, ac coupled; 10X attenuator extends Lf response to ≤1 Hz; with 100X attenuator, Lf response is ≤10 Hz.

INCLUDED ACCESSORIES

- 013-0135-00 1 TIP, probe, retractable (BT)
- 010-0376-00 1 ATTENUATOR head 10X
- 010-0377-00 1 ATTENUATOR head 100X
- 206-0200-00 3 TIP, probe (CO)
- 131-1302-00 1 CONTACT, ground (CG)
- 175-0848-02 1 LEAD, ground, 12 in (30 cm) (BB)
- 103-0164-00 1 TIP, probe (CD)
- 344-0046-00 1 CLIP, alligator (AU)
- 166-0557-00 1 INSULATING SLEEVE, electrical (CJ)
- 342-0180-00 1 INSULATOR, ground contact (CT)
- 016-0156-02 1 CARRYING CASE

ORDERING INFORMATION

- P6201 FET Probe,**
Order 010-6201-01 \$675
- 1101 Accessory Power Supply, for powering**
up to four P6201 Probes.
- 1101 Probe Power Supply,**
Order 1101 \$425

P6202 Dc to 500 MHz



Self-Contained Power Supply
Dc Offset
High Input Impedance through Freq Range
Small Probe Size
Rugged

SPECIFICATIONS

Probe and (Opt 10X Attenuator Head):
Bandwidth — Dc to ≥500 MHz (−3dB). **Rise Time** — 0.7 ns or less. **Attenuation** — 10X within 4% (100X within 2% for Opt 10X Attenuator Head). **Input Impedance** — 10 MΩ within 2% shunted by ≈2 pF. **Dynamic Range** — 0 to ±6 V. **Dc Offset Range** — −55 V to +55 V (−200 V to +200 V for Opt 10X Attenuator Head). **Noise** (Tangential) — 150 μV or less. **Max Safe Input Voltage** — 200 V dc + peak ac, derated with frequency.
Opt Ac Coupling Cap:
Bandwidth — 16 Hz to ≥500 MHz (−3dB). **Rise Time** — 0.7 ns or less. **Input Impedance** — ≈4 pF. **Max Safe Input Voltage** — 200 V dc + peak ac.

- 175-0849-00 1 LEAD, ground, 3 in (7.5 cm) (BC)
 - 016-0378-00 1 CARRYING CASE
 - 003-0675-01 1 ADJUSTMENT TOOL, probe (CU)
 - 175-1017-00 1 LEAD, ground, 6 in (13 cm) (BE)
 - — — — 2 TIP, probe, replaceable*
 - 166-0404-01 1 INSULATING SLEEVE, electrical (CH)
- *Available in package of 10 only, order 206-0230-03 (CR)

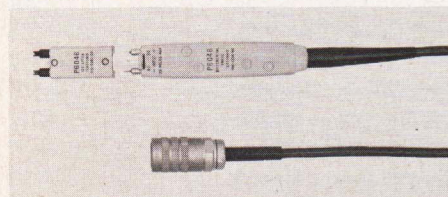
ORDERING INFORMATION

- P6202 FET Probe, 2 Meter Cable,**
Order 010-6202-01 \$475
- Optional Accessories:**
- P6202 10X Attenuator,**
Order 010-0384-00 \$45
- P6202 Ac Coupling Cap,**
Order 010-0360-00 \$25

INCLUDED ACCESSORIES

- 013-0097-01 1 TIP, probe, retractable (BO)
- 352-0351-00 1 HOLDER, probe
- 344-0046-00 2 CLIP, alligator (AU)

P6046 Dc to 100 MHz



1000:1 Cmrr at 50 MHz
±250 V Maximum Voltage with
10X Attenuator
Dual Probe Tips for Greater Cmrr
at High Frequencies

SPECIFICATIONS

Cmrr — With deflection factors of 1 mV/div to 20 mV/div; at least 10,000:1 at 50 kHz, 5,000:1 at 1 MHz, and 1,000:1 at 50 MHz. **Common-mode Linear Dynamic Range** — ±5 V, ±50 V with 10X attenuator. **Bandwidth** — Dc to 100 MHz (−3dB). **Rise Time** — 3.5 ns or less. **Deflection Factor Range** — 1 mV/div to 200 mV/div in 8 calibrated steps, 1-2-5 sequence, accurate within 3% (with an oscilloscope deflection factor of 10 mV/div). **Input RC** — 1 MΩ paralleled by 10 pF or less. **Input Coupling** — Ac or dc, selected by a switch on the probe. Low frequency response ac-coupled is −3dB at 20 Hz, 2 Hz with 10X attenuator. **Displayed Noise** — 280 mV or less (tangentially measured). **Maximum Input Voltage** — ±25 V (dc + peak ac), ±250 V with 10X attenuation, derated with frequency. **Output Impedance** — 50 Ω through a BNC-connector. 50 Ω termination supplied with amplifier for use with 1-MΩ systems. **Probe Cable** — 6 ft long,

terminated with special nine-pin connector. **Amplifier Power Requirements** — 10 W maximum, 48 to 400 Hz. Factory wired for 105 V to 125 V ac (117 V ac nominal) operation. Transformer taps permit operation at 210 V to 250 V ac (234 V ac nominal).

INCLUDED ACCESSORIES

- 014-0029-00 1 HANGER ASSEMBLY
- 012-0076-00 1 CABLE ASSY, Rf (CW)
- 011-0049-01 1 TERMINATION, 50 Ω (BJ)
- 016-0111-01 1 CARRYING CASE

ORDERING INFORMATION

- P6046 FET Differential Probe, Amplifier, and**
Power Supply,
Order 010-0232-00 \$1250
- Opt 05 w/o Amplifier and Power Supply,**
Order 010-0213-00 \$650