

Active Probe

► P7260



P7260 Single-ended Active Probe

The P7260 is the fastest active probe in the world. It provides high-bandwidth, low circuit loading, low noise and accurate probing solutions for high-speed circuit designers. This probe has a small probe head for accessing connection points in tight physical constraints and with today's fine pitch circuitry.

The P7260 is the world's first probe to be developed with silicon germanium (SiGe). It features a toggle/switch that offers the choice of using the probe at either 1.5 V_{p-p} or 6 V_{p-p} dynamic range.

TekConnect interface takes probe intelligence to the next level, providing probe power, automated signaling of scale factor and offset voltage. It also adds automatic bandwidth adjustment and voltage measurement.

TekConnect extends useful bandwidth and signal fidelity out to 18 GHz. A full complement of versatile probe tip accessories helps connect to the wide range of devices faced by digital designers.

► Features & Benefits

6 GHz Bandwidth

Switchable Attenuation
Provides up to 6 V_{p-p}
Dynamic Range

Low Input
Capacitance <0.5 pF

Provides 6 GHz System
Bandwidth at Probe Tip
with TDS6604 TekConnect™
Oscilloscope

Connect and Adapt to
Various Circuit Designs
with Small Probe Head
and Numerous Connection
Accessories

TekConnect Interface

► Applications

High-speed Digital
Systems Design

Component
Design/Characterization

Manufacturing
Engineering and Test

COMPUTING

COMMUNICATIONS

VIDEO

Active Probe

▶ P7260

▶ Characteristics

Designed for use with the TDS6604 oscilloscope – the system bandwidth is typically 6 GHz.

| Attribute | Specification 5x | Specification 25x |
|---------------------------------|--|-----------------------------------|
| Type | TekConnect Active, Single-ended | |
| Bandwidth (probe only, typical) | 6 GHz | 6 GHz |
| Rise time (guaranteed) | <75 ps | <85 ps |
| Input capacitance (pF) | <0.5 pF | 0.5 pF |
| Attenuation | 5x | 25x |
| Dynamic range | $\pm 0.75 \text{ V (1.5 V}_{p-p})$ | $\pm 3.0 \text{ V (6.0 V}_{p-p})$ |
| DC offset range | $\pm 5 \text{ V}$ | $\pm 5 \text{ V}$ |
| Input resistance | 20 k Ω at DC | 20 k Ω at DC |
| Maximum nondestruct voltage | 30 V (DC plus peak AC) | |
| Compatible oscilloscopes*1 | TDS6604, TDS7404, all TekConnect oscilloscopes | |

*1 Requires firmware version 2.1 or higher for TDS/CSA7000 Series.

▶ Ordering Information

P7260

6.0 GHz Active Probe, TekConnect.

Includes: Probe tip accessories (see list), user manual, storage case.

Warranty: One year.

Measurement Service Options

Opt. C3 – Two years of calibration.

Opt. C5 – Four years of calibration.

Opt. D1 – Calibration data report.

Opt. D3 – Test data report; requires C3.

Opt. D5 – Test data report; requires C5.

Opt. R3 – Two years of repair.

Opt. R5 – Four years of repair.

▶ P7260 Included Accessories

| Description | Quantity | Part Number/Status |
|--|----------|--------------------|
| Instruction manual | 1 each | 071-0922-00 |
| Probe carry case | 1 each | 016-1879-00 |
| Y lead adapter | 2 each | 196-3462-00 |
| 3" ground lead | 2 each | 196-3437-00 |
| IC grabber (set of 2) | 1 set | 013-0309-00 |
| SMT KlipChip™ | 2 each | 206-0364-00 |
| SureToe™ (set of 12) | 1 set | ST501 |
| Accessory reorder sheet | 1 each | — |
| Short ground pogo pin (set of 8) | 1 set | 131-7822-00 |
| Square pin adapter (set of 4) (adapt to .100" centered square pins) | 1 set | 016-1910-00 |
| Color coding bands, 5 colors | 1 set | 016-0633-00 |
| "L" adapter (set of 4) | 1 set | 016-1913-00 |
| Anti-static wrist strap | 1 each | 006-3415-04 |

▶ Recommended Accessories

| Description | Quantity | Part Number/Status |
|---|----------|--------------------|
| IEEE1394 Adapter (4-Pin) | 1 set | 679-5027-00 |
| TekConnect probe calibration adapter/fixture/SW | 1 each | 067-1456-00 |
| Probe arm | 1 each | PPM100 |
| High speed deskew fixture | 1 each | 067-0484-00 |

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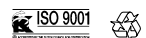
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