

Active Probe

P7225 Data Sheet



Features & Benefits

- <140 ps Rise Time (guaranteed)
- 2.5 GHz Bandwidth
- ≤ 0.8 pF Input Capacitance
- 8 V_{pk-pk} Dynamic Range
- 40 k Ω Input Resistance
- TekConnect® Interface
- Supports TDS7154/7254 Active Probe Needs by Providing a TekConnect 2.5 GHz, 8 V_{pk-pk} Dynamic-range Cost-effective Probing Solution for Mid-band Real-time Oscilloscopes
- 10x Attenuation

Applications

- Verification, Debug, and Characterization of High-speed Designs
- Design, Development, and Compliance Testing
- Signal Integrity, Jitter, and Timing Analysis
- Manufacturing Engineering and Test
- Signals with Voltage Swings up to 8 V_{pk-pk}

Selecting the right probe for your application is key to attaining the best signal fidelity in your measurements. Active probes provide truer signal reproduction and fidelity for high-frequency measurements. With our ultra-low input capacitance and high input resistance provided by the P7225, you are able to make measurements with minimal signal distortion. This probe offers a wide 8 V_{pk-pk} dynamic range to access today's voltage levels.

Characteristics

Physical Characteristics

Rise Time – <140 ps.

Bandwidth – 2.5 GHz.

Attenuation – 10x.

DC Resistance – 40 kΩ.

Input Capacitance – ≤0.8 pF.

Dynamic Range – ±4 V.

Offset Range – ±10 V.

Interface – TekConnect®.

Ordering Information

Included Accessories

Product Name/Description	Part Number	Quantity
Ground lead kit – 3 in. and Y Lead Adapter	196-3456-xx	1 Each
SMT KlipChip™ Adapter	206-0364-xx	1
5 Colors, Color Coding Clips	016-1315-xx	1
Pogo Pin Ground (set of 10)	016-1772-xx	1
Square Pin Sockets (set of 10)	016-1773-xx	1
Customizable Ground Lead (set of 5)	196-3482-xx	1
Probe Tips (set of 10)	131-5638-xx	1
SureToe™ Adapter (set of 12)	ST501	1
Instruction Manual	071-1186-xx	1
Probe Carrying Case	016-1879-01	1
Accessory Case	006-7164-xx	1
Wrist Strap	006-3415-04	1
Certificate of Traceability	–	1

Service

Opt. C3 – Calibration Service 3 Years.

Opt. C5 – Calibration Service 5 Years.

Opt. D1 – Calibration Data Report.

Opt. D3 – Calibration Data Report 3 Years (with Opt. C3).

Opt. D5 – Calibration Data Report 5 Years (with Opt. C5).

Opt. R3 – Repair Service 3 Years.

Opt. R5 – Repair Service 5 Years.

Recommended Accessories

SMK4, IC Grabber – Order 013-0309-xx (set of 2).



Product(s) are manufactured in ISO registered facilities.

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For Further Information. Tektronix maintains a comprehensive, constantly expanding collection of application notes, technical briefs and other resources to help engineers working on the cutting edge of technology. Please visit www.tektronix.com



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