

# WaveLink® High Bandwidth Differential Probing System (13 GHz – 25 GHz)

- 25 GHz Solder-In Lead
- Ultra-compact Browser
- Superior Probe Impedance
- Superior Noise Performance



# EXCEPTIONAL BANDWIDTH AND SIGNAL FIDELITY

## Features & Benefits

- Up to 25 GHz bandwidth (probe + oscilloscope)
- System rise time as fast as 13 ps (20–80%)
- Highest bandwidth Solder-In solution (25 GHz)
- Ultra-compact browser tip (22 GHz)
- Superior probe impedance minimizes AC loading on device under test (DUT)
- Carbon-composite browser tips optimize signal fidelity and loading
- Probe noise as low as 14 nV/√Hz (1.6 mV<sub>rms</sub>)
- Low probe attenuation
- Large operating voltage range  
±4 V common mode range  
±2.5 V offset range  
2.0 V<sub>pk-pk</sub> dynamic range
- Long length Solder-In tip with field replaceable resistors



*The WaveLink Dxx05-A 13-25 GHz differential probe series has large operating voltage ranges, very low probe noise, and superior probe impedance.*

## Ultra-wideband Architecture for Superior Signal Fidelity

Teledyne LeCroy's WaveLink® high bandwidth differential probes utilize advanced differential traveling wave (distributed) amplifier architecture to achieve superior high frequency true analog broadband performance. Traveling wave (distributed) amplifiers are commonly used in ultra high frequency broadband amplifiers. This multi-stage amplifier architecture maximizes gain per stage and minimizes probe

attenuation, which provides very low probe noise and fast rise times.

## Highest Bandwidth (25 GHz) Solder-In Lead

Up to 25 GHz Solder-In performance with system (probe + oscilloscope) rise times equal to that of the oscilloscope alone—13 ps (20–80%) and 17.5 ps (10–90%)—and superior impedance and noise performance.

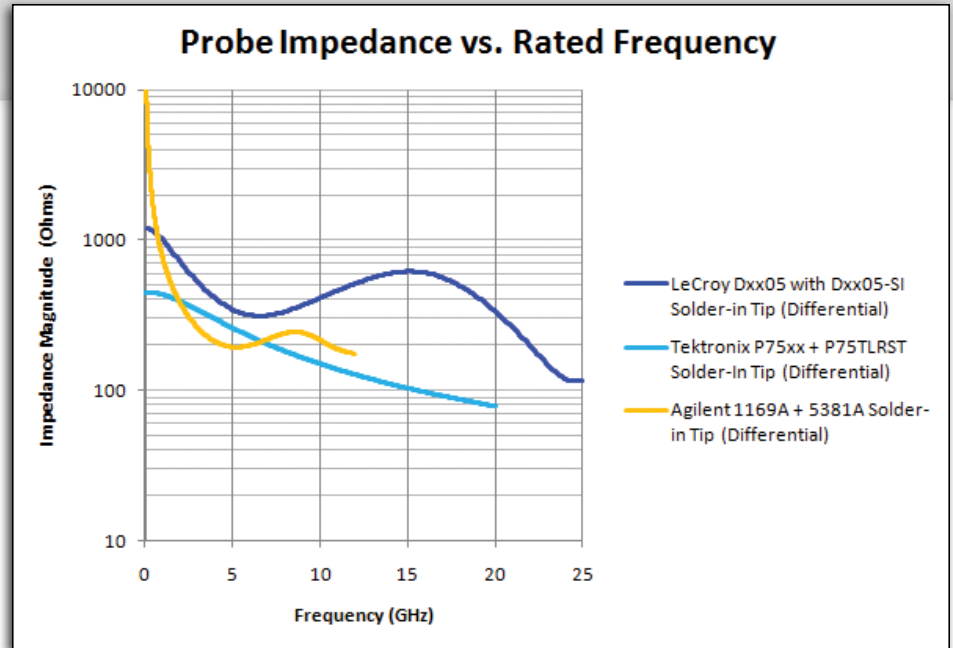


## Ultra-compact Positioner (Browser) Tip

The most compact positioner tip browser with bandwidth up to 22 GHz makes probing in confined areas easy. Position multiple probes very close together using a variety of mechanical positioners, or use the hand-held wand for debugging.

## Superior Probe Impedance Minimizes Circuit Loading

Circuit and signal loading is reduced by more than 50% with WaveLink high bandwidth probes compared to competitive probes. In the mid-band frequency range, the difference is even more apparent. This superior impedance greatly reduces measurement impact and circuit loading. It's made possible with innovative designs that locate probe tip resistance as close to the



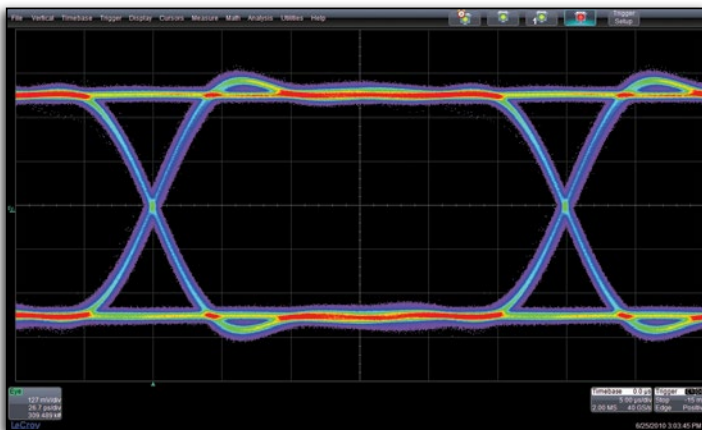
*Teledyne LeCroy Solder-In probe impedance is two or three times better than competitive probes, especially at higher frequencies.*

DUT as possible and, in the case of the browser tip, use advanced materials to optimize performance.

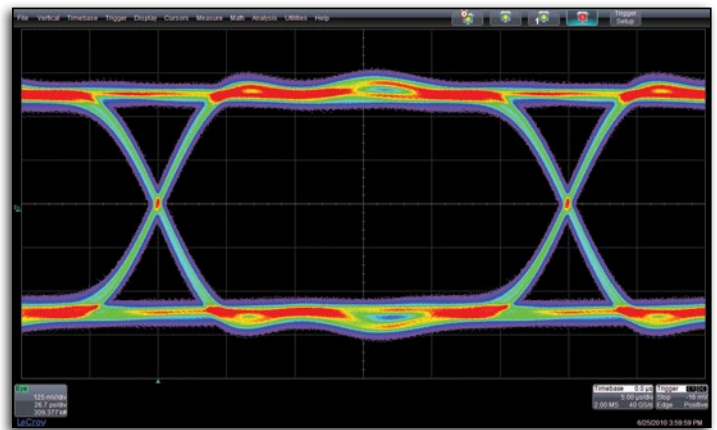
## Superior Signal Fidelity and Lowest Noise

WaveLink has exceptional noise performance and the fastest rise times—as fast as 13 ps—to enable measurements of the highest precision on the fastest signals. In fact, the combination of the probe and the oscilloscope results in

measurement performance that is nearly identical to that of a cable input. In addition, the probe allows measurements on signals with large differential swings and high offsets while avoiding the use of multiple attenuators that can reduce signal fidelity. The tip construction avoids multiple connection points that could compromise signal fidelity. Serial data signal margins are better characterized and understood with WaveLink.



*A 6.25 Gb/s PRBS-7 signal first measured with cable inputs to the oscilloscope (math subtracted waveform, cables de-embedded).*



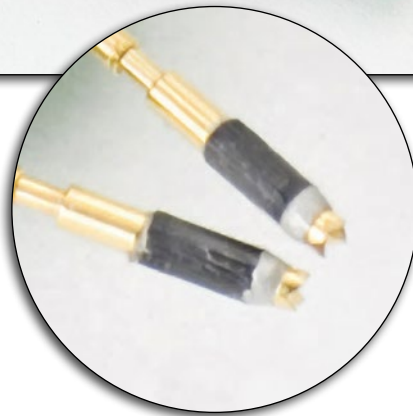
*A Teledyne LeCroy D1605-A with Dxx05-PT tip (test fixture de-embedded). Note the high degree of correlation between the two measurements.*

# ULTRA-COMPACT POSITIONER TIP

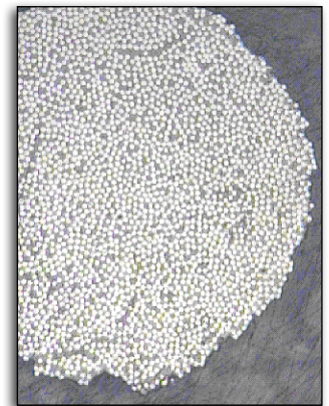
## Optimized Performance Using Advanced Materials

Carbon fiber composite pogo-pin resistive tips used in the positioner tip locate an ideal distributed resistance at the point of contact. This design is unique to Teledyne LeCroy and provides several important advantages:

1. It improves signal fidelity by eliminating the skin effect present at high frequencies with purely conductive tips.
2. It eliminates the parasitic loading due to high inductance and capacitance of metal pogo-pins by putting the probe resistance at the point of contact.
3. The composite structure provides mechanical strength for good contact and long life.



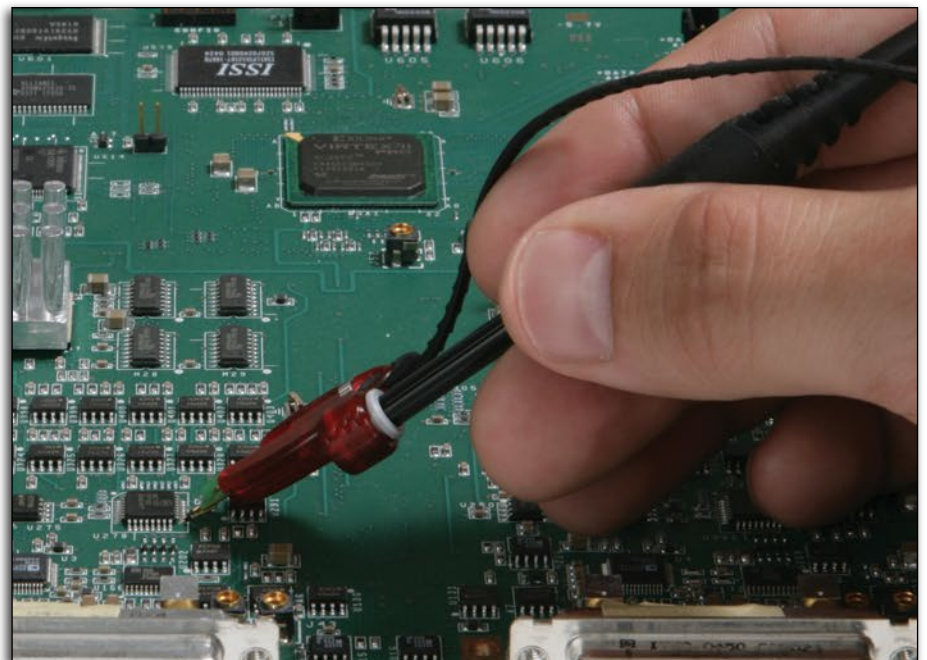
Teledyne LeCroy's browser (positioner tip) consists of an ideal distributed resistance at the point of circuit contact, with a crowned metal tip for positive circuit contact. The assembly is mounted on a metal pogo-pin for z-axis compliance and positive probe contact.



Shown magnified 500x, this cross section of the carbon-composite fiber in the resistive tip shows the fiber structure of the tip that reduces skin effect at high frequencies.

## Ultra-compact Size

The positioned tip browser is very small—only 35 mm long, 14 mm wide, and 5 mm thick ( $1\frac{3}{8}$ " x  $\frac{17}{32}$ " x  $\frac{3}{16}$ " ) and can be easily located in close proximity to other probes or circuit elements. It is easily attached to a wide variety of probe positioners for precise circuit placement. For hand-held browsing, a wand may be attached to facilitate quick acquisition of signals for debug and analysis.



Teledyne LeCroy's Dxx05-PT positioner tip browser can be easily hand-held with the attachable wand or positioned in place with one of many standard or optional accessory mechanical positioners.

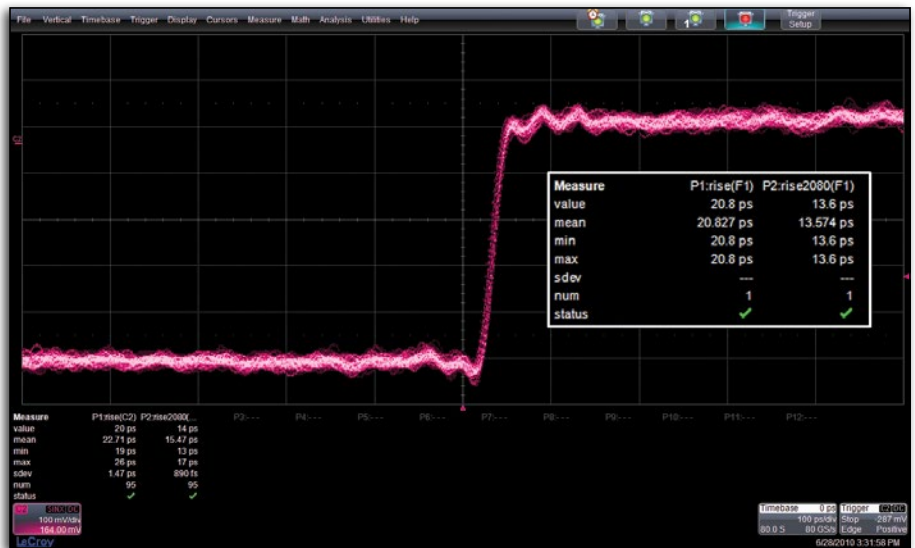
# HIGHEST PERFORMING SOLDER-IN LEAD

## Superior Bandwidth

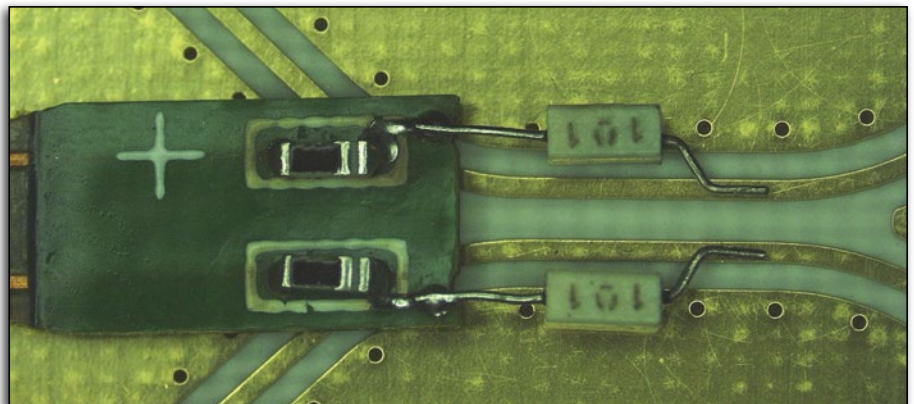
Not only is the probe available with up to 25 GHz of bandwidth, but the rise time of the probe when connected to a Teledyne LeCroy 8 Zi, 9 Zi-A or 10 Zi Series oscilloscope is very fast—system rise times as fast as 13 ps (20–80%). You can use the probe with the assurance that the probe + oscilloscope system rise time will be as fast as a cable input.

## Highest Mid-band Probe Impedance Reduces Circuit Loading

Exceptional mid- and high-band probe impedance characteristics make this lead the best performer available. Probe impedance is two to three times larger than competitive probes, resulting in one-half to one-third the circuit loading and better signal fidelity. This performance is made possible by an exceptionally low tip capacitance (75 fF) that tunes the probe impedance to the lead inductance. Additionally, pre-trimmed termination damping resistors are located at the circuit contact point, further improving performance. These resistors are easily field-replaceable.



Teledyne LeCroy D2505-A probe with Dxx05-PT positioner (browser) tip showing rise time response with 20 ps differential input source.



Teledyne LeCroy's Dxx05-SI Solder-In lead has external tip resistors to locate the tip resistance as close to the point of contact as possible. These resistors are installed on the lead at the factory to minimize operator setup time and are field-replaceable, should the need arise.

## Optimized Probe + Oscilloscope Performance

All Teledyne LeCroy WaveLink high bandwidth differential probes are automatically calibrated for the highest performance when connected to a Teledyne LeCroy oscilloscope. Teledyne LeCroy has provided this capability since the introduction of the first WaveLink probes in 2003.

At the factory, each probe undergoes a rigorous calibration and performance verification process that results in a stored response file on-board the probe.

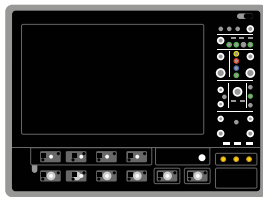
When the probe is connected to a Teledyne LeCroy oscilloscope, the probe and oscilloscope response are optimized to each other to provide a probe + oscilloscope response identical to that of the raw oscilloscope channel.

All that is left for the operator is to de-embed the probe loading from the circuit, if desired, using Teledyne LeCroy's Virtual Probe oscilloscope software option. Since the Teledyne LeCroy probe impedance is very high across the passband, this may not even be necessary.

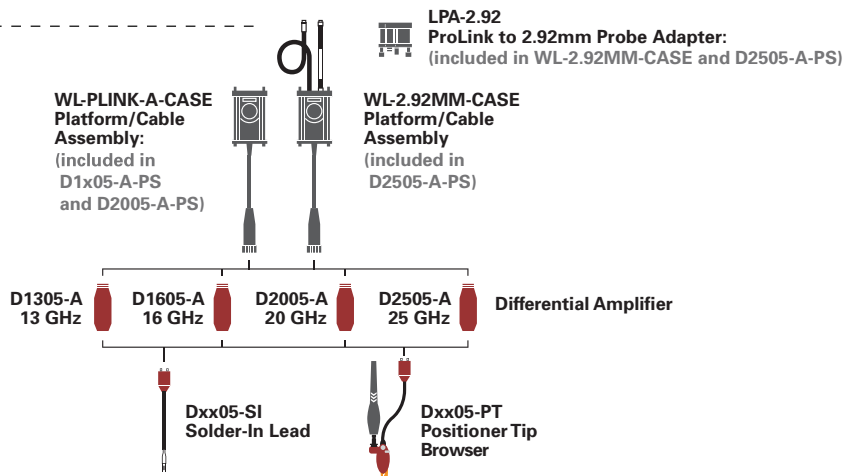


# COMPATIBILITY AND ACCESSORIES

## Compatibility Chart



LabMaster 10 Zi  
LabMaster 9 Zi-A  
WaveMaster 8 Zi



## Accessories and Replacement Parts

| Standard Accessories  | WL-PLINK-A-CASE | WL-2.92MM-CASE | D1x05-A | D1x05-A-PS | D2x05-A | D2x05-A-PS                        | Dxx05-PT-KIT | Replacement Part  |
|---|-----------------|----------------|---------|------------|---------|-----------------------------------|--------------|---|
| Amplifier System<br>(includes items below with*)                    |                 |                | 1 each  | 1 each     | 1 each  | 1 each                            |              | D1305-A, D1605-A,<br>D2005-A, or D2505-A  |
| *Amplifier  |                 |                | 1 each  | 1 each     | 1 each  | 1 each                            |              |   |
| *Solder-In Lead Set<br>(includes items below with**)                |                 |                | 2 each  | 2 each     | 2 each  | 2 each                            |              | Dxx05-SI  |
| **Spare Damping Resistors for SI Tip                                |                 |                | 10 each | 10 each    | 10 each | 10 each                           |              | Dxx05-SI-RESISTORS  |
| **Tip Retaining Clip for SI Leads                                   |                 |                | 2 each  | 2 each     | 2 each  | 2 each                            |              | PK600ST-3   |
| **Adhesive Tape   |                 |                | 1 set   | 1 set      | 1 set   | 1 set                             |              | Dxx0-PT-TAPE  |
| *Ground Lead  |                 |                | 1 each  | 1 each     | 1 each  | 1 each                            |              | PACC-LD005  |
| *Ground Clip  |                 |                | 1 each  | 1 each     | 1 each  | 1 each                            |              | PK006-4   |
| *Instruction Manual   |                 |                | 1 each  | 1 each     | 1 each  | 1 each                            |              | WL-HBW-A-OM-E   |
| *Accessory Info Sheet & Quick Start Guide                           |                 |                | 1 each  | 1 each     | 1 each  | 1 each                            |              | 921508-00   |
| Positioner Tip with Accessories<br>(kit includes items below with†) |                 |                |         | 1 each     |         | 1 each                            | 1 each       | RK-Dxx05-PT-KIT   |
| †Positioner Tip Browser   |                 |                |         | 1 each     |         | 1 each                            | 1 each       | Dxx05-PT  |
| †Replacement Pogo-pins for Dxx05-PT                                 |                 |                |         | 1 each     |         | 1 each                            | 1 each       | Dxx05-PT-TIPS   |
| †Positioner Tip Probe Guides  |                 |                |         | 1 each     |         | 1 each                            | 1 each       | Dxx05-PT-GUIDES   |
| †XYZ Positioner   |                 |                |         | 1 each     |         | 1 each                            | 1 each       | Dxx0-PT-XYZ-POSITIONER  |
| †Adhesive Tape for XYZ Positioner                                   |                 |                |         | 1 set      |         | 1 set                             | 1 set        | Dxx0-PT-TAPE  |
| †Browser Wand for PT Tip  |                 |                |         | 1 each     |         | 1 each                            | 1 each       | Dxx0-PT-WAND  |
| †Interlock Pieces for PT Tip  |                 |                |         | 1 each     |         | 1 each                            | 1 each       | Dxx0-PT-INTERLOCK   |
| †Swivel for PT Tip  |                 |                |         | 1 each     |         | 1 each                            | 1 each       | Dxx0-PT-SWIVEL  |
| Platform/Cable Assembly Kit<br>(includes items below with‡)         | 1 each          | 1 each         |         | 1 each     |         | 1 each                            |              | WL-PLINK-A-CASE for 13,<br>16, and 20 GHz models<br>WL-2.92MM-CASE for<br>25 GHz models |
| ‡Platform/Cable Assembly  | 1 each          | 1 each         |         | 1 each     |         | 1 each                            |              |   |
| ‡Freehand Probe Holder  | 1 each          | 1 each         |         | 1 each     |         | 1 each                            |              | PACC-MS001  |
| ‡Probe Deskew Fixture   | 1 each          | 1 each         |         | 1 each     |         | 1 each                            |              | PCF200  |
| ‡Platform/Cable Assembly<br>Mounting Clip                           | 1 each          | 1 each         |         | 1 each     |         | 1 each                            |              | PK600ST-4 includes<br>4 adhesive backed clips   |
| ‡Probe Cable Clamp  | 2 each          | 2 each         |         | 2 each     |         | 2 each                            |              | PK600ST-4 includes<br>4 adhesive backed clips<br>42402900001                            |
| ‡ESD Wrist Strap  | 1 each          | 1 each         |         | 1 each     |         | 1 each                            |              |   |
| ‡Performance Verification Certificate                               | 1 each          | 1 each         |         | 1 each     |         | 1 each                            |              |   |
| ‡Deluxe Soft Carrying Case  | 1 each          | 1 each         |         | 1 each     |         | 1 each                            |              | SAC-03  |
| ‡Foam Insert for Deluxe Case  | 1 each          | 1 each         |         | 1 each     |         | 1 each                            |              | 921080-00 (WL-2.92MM-<br>CASE) or 921081-00 (for<br>WL-PLINK-A-CASE)                    |
| ‡Protective Storage Case  | 1 each          | 1 each         |         | 1 each     |         | 1 each                            | 1 each       | 921083-00   |
| ‡Plastic Tray for Storage Case                                      | 1 each          | 1 each         |         | 1 each     |         | 1 each                            | 1 each       | 921078-00   |
| ‡ProLink to 2.92 mm Probe Adapter                                   |                 | 1 each         |         |            |         | 1 each<br>(25 GHz<br>Models only) |              | LPA-2.92  |
| Calibration Certificate   |                 |                |         |            |         |                                   |              | See calibration options   |

### Recommended Accessories

|                                       |          |
|---------------------------------------|----------|
| Deskew Test Fixture                   | TF-DSQ   |
| Cascade Microtech EZ-Probe Positioner | EZ PROBE |

# SPECIFICATIONS

|                           | D1305-A, D1305-A-PS  | D1605-A, D1605-A-PS  | D2005-A, D2005-A-PS  | D2505-A, D2505-A-PS   |
|---------------------------|--|--|--|---|
| <b>Bandwidth</b>          | <b>Dxx05-SI and Dxx05-PT Tips</b><br>13 GHz (probe only, guaranteed)<br>13 GHz (system bandwidth, when used with 813Zi, typical) | <b>Dxx05-SI and Dxx05-PT Tips</b><br>16 GHz (probe only, guaranteed)<br>16 GHz (system bandwidth, when used with 816Zi, typical) | <b>Dxx05-SI and Dxx05-PT Tips</b><br>20 GHz (probe only, guaranteed)<br>20 GHz (system bandwidth, when used with 820Zi, typical) | <b>Dxx05-SI Lead</b><br>25 GHz (probe only, guaranteed)<br>25 GHz (system bandwidth, when used with 825Zi, typical)<br><b>Dxx05-PT Tip</b><br>22 GHz (system bandwidth, when used with 825Zi, typical)<br>20 GHz (probe only, guaranteed) |
| <b>Rise Time (10–90%)</b> | <b>Dxx05-SI and Dxx05-PT Tips</b><br>32.5 ps (typical)<br>System rise time measured with $\geq 13$ GHz oscilloscope              | <b>Dxx05-SI and Dxx05-PT Tips</b><br>28 ps (typical)<br>System rise time, measured with $\geq 16$ GHz oscilloscope               | <b>Dxx05-SI and Dxx05-PT Tips</b><br>20 ps (typical)<br>System rise time measured with $\geq 20$ GHz oscilloscope                | <b>Dxx05-SI Lead</b><br>17.5 ps (typical)<br>System rise time measured with $\geq 25$ GHz oscilloscope<br><b>Dxx05-PT Tip</b><br>19 ps (typical)<br>System rise time measured with $\geq 25$ GHz oscilloscope                             |
| <b>Rise Time (20–80%)</b> | <b>Dxx05-SI and Dxx05-PT Tips</b><br>24.5 ps (typical)<br>System rise time measured with $\geq 13$ GHz oscilloscope              | <b>Dxx05-SI and Dxx05-PT Tips</b><br>21 ps (typical)<br>System rise time measured with $\geq 16$ GHz oscilloscope                | <b>Dxx05-SI and Dxx05-PT Tips</b><br>15 ps (typical)<br>System rise time measured with $\geq 20$ GHz oscilloscope                | <b>Dxx05-SI Lead</b><br>13 ps (typical)<br>System rise time measured with $\geq 25$ GHz oscilloscope<br><b>Dxx05-PT Tip</b><br>14 ps (typical)<br>System rise time measured with $\geq 25$ GHz oscilloscope                               |
| <b>Noise (Probe)</b>      | < 14 nV/ $\sqrt{\text{Hz}}$ (1.6 mV <sub>rms</sub> ) (typical)<br>Referred to input, 13 GHz bandwidth                            | < 14 nV/ $\sqrt{\text{Hz}}$ (1.8 mV <sub>rms</sub> ) (typical)<br>Referred to input, 16 GHz bandwidth                            | < 18 nV/ $\sqrt{\text{Hz}}$ (2.5 mV <sub>rms</sub> ) (typical)<br>Referred to input, 20 GHz bandwidth                            | < 18 nV/ $\sqrt{\text{Hz}}$ (2.8 mV <sub>rms</sub> ) (typical)<br>Referred to input, 25 GHz bandwidth   |
| <b>Noise (System)</b>     | < 23 nV/ $\sqrt{\text{Hz}}$ (2.7 mV <sub>rms</sub> ) (typical) Referred to input, 13 GHz bandwidth                               | < 23 nV/ $\sqrt{\text{Hz}}$ (2.9 mV <sub>rms</sub> ) (typical) Referred to input, 16 GHz bandwidth                               | < 28 nV/ $\sqrt{\text{Hz}}$ (4.0 mV <sub>rms</sub> ) (typical) Referred to input, 20 GHz bandwidth                               | < 28 nV/ $\sqrt{\text{Hz}}$ (4.5 mV <sub>rms</sub> ) (typical) Referred to input, 25 GHz bandwidth  |

| <b>Input</b>                           |   |
|--|---|
| <b>Input Dynamic Range</b>             | 2.0 V <sub>pk-pk</sub> ( $\pm 1.0$ V) (nominal) |
| <b>Input Common Mode Voltage Range</b> | $\pm 4$ V (nominal)                             |
| <b>Input Offset Voltage Range</b>      | $\pm 2.5$ V Differential (nominal)              |
| <b>Non-destructive Input Range</b>     | $\pm 10$ V (nominal)                            |
| <b>Attenuation</b>                     | 3.5x (nominal)      4.5x (nominal)              |

|                                      |   |
|--------------------------------------|---|
| <b>DC Input Resistance (nominal)</b> | 1.1 k $\Omega$ Differential<br>100 k $\Omega$ Common mode |
|--------------------------------------|---|

| <b>Impedance (Z<sub>min</sub>, typical)</b> | <b>Dxx05-SI Lead</b>   | <b>Dxx05-SI Lead</b>   | <b>Dxx05-SI Lead</b>   | <b>Dxx05-SI Lead</b>   |
|---|--|--|--|--|
|   | > 300 $\Omega$ Differential through entire frequency range                       | > 300 $\Omega$ Differential through entire frequency range                       | > 230 $\Omega$ Differential through entire frequency range                       | > 120 $\Omega$ Differential through entire frequency range                       |
|   | <b>Dxx05-PT Tip</b><br>>160 $\Omega$ Differential through entire frequency range | <b>Dxx05-PT Tip</b><br>>160 $\Omega$ Differential through entire frequency range | <b>Dxx05-PT Tip</b><br>>160 $\Omega$ Differential through entire frequency range | <b>Dxx05-PT Tip</b><br>>160 $\Omega$ Differential through entire frequency range |

|                                      |   |
|--------------------------------------|---|
| <b>Impedance (mid-band, typical)</b> | <b>Dxx05-SI Lead:</b> 300 $\Omega$ at 6 GHz, 525 $\Omega$ at 13 GHz, 600 $\Omega$ at 16 GHz, 300 $\Omega$ at 20 GHz, 120 $\Omega$ at 25 GHz<br><b>Dxx05-PT Tip:</b> 160 $\Omega$ at 6 GHz, 450 $\Omega$ at 13 GHz, 240 $\Omega$ at 16 GHz, 210 $\Omega$ at 20 GHz |
|--------------------------------------|---|

|             |   |
|-------------|---|
| <b>CMRR</b> | <b>Dxx05-SI Lead (typical):</b> 40 dB DC to 50 MHz; 32 dB to 1 GHz; 20 dB to 16 GHz; 15 dB to 25 GHz<br><b>Dxx05-PT Tip (typical):</b> 36 dB DC to 50 MHz; 30 dB to 1 GHz; 16 dB to 16 GHz; 14 dB to 20 GHz |
|-------------|---|

| <b>Environmental</b> |  |
|----------------------|--|
| <b>Temperature</b>   | <b>Operating:</b> 0 °C to 40 °C; <b>Non-operating:</b> -40 °C to 70 °C   |
| <b>Humidity</b>      | <b>Operating:</b> 5% to 80% RH (non-condensing); 50% RH above 30 °C<br><b>Non-operating:</b> 5% to 95% RH (non-condensing) 75% RH above 30 °C and 45% RH above 40 °C |
| <b>ESD Tolerance</b> | 2 kV (typical)<br>100 pF, 300 $\Omega$ HBM   |

| <b>Dimensions</b>              |  |
|--------------------------------|--|
| <b>Dxx05-PT Positioner Tip</b> | 0 to 3.5 mm (0 to 0.14") tip spread at circuit connection<br>0.45 mm tip diameter (0.018")<br>0.55 mm (0.022") Z-axis compliance |
| <b>Dxx05-SI Solder-In Lead</b> | 0 to 9 mm (0 to 0.35") tip spread at circuit connection  |
| <b>Cable Length</b>            | 1.3 m (4 ft. 3 in) for both WL-2.92MM-CASE and WL-PLINK-A-CASE, sold separately  |

# ORDERING INFORMATION

| Product Description  | Product Code    |
|--|-----------------|
| <b>Complete Probe Systems</b>  |                 |
| 13 GHz Complete Probe System with Solder-In Tip (13 GHz) and Positioner Tip Browser (13 GHz)                   | D1305-A-PS      |
| 16 GHz Complete Probe System with Solder-In Tip (16 GHz) and Positioner Tip Browser (16 GHz)                   | D1605-A-PS      |
| 20 GHz Complete Probe System with Solder-In Tip (20 GHz) and Positioner Tip Browser (20 GHz)                   | D2005-A-PS      |
| 25 GHz Complete Probe System with Solder-In Tip (25 GHz) and Positioner Tip Browser (22 GHz)                   | D2505-A-PS      |
| <b>Amplifier and Probe Tip Modules</b>   |                 |
| WaveLink D1305 13 GHz/1.6 V <sub>pk-pk</sub> Differential Probe Amplifier with Dxx05-SI Solder-In Tip (Qty. 2) | D1305-A         |
| WaveLink D1605 16 GHz/1.6 V <sub>pk-pk</sub> Differential Probe Amplifier with Dxx05-SI Solder-In Tip (Qty. 2) | D1605-A         |
| WaveLink D2005 20 GHz/1.6 V <sub>pk-pk</sub> Differential Probe Amplifier with Dxx05-SI Solder-In Tip (Qty. 2) | D2005-A         |
| WaveLink D2505 25 GHz/1.6 V <sub>pk-p</sub> Differential Probe Amplifier with Dxx05-SI Solder-In Tip (Qty. 2)  | D2505-A         |
| <b>Positioner Tip (Browser) Kits</b>   |                 |
| WaveLink Dxx05-PT (Up to 22 GHz Rating) Adjustable Positioner Tip Kit. For use with Dxx05 Amplifiers           | Dxx05-PT-KIT    |
| <b>Probe Platform/Cable Assemblies and Adapters</b>  |                 |
| WaveLink ProLink Platform/Cable Assembly Kit for ≥ 13 GHz WaveLink Probes                                      | WL-PLINK-A-CASE |
| WaveLink 2.92 mm Platform/Cable Assembly Kit for ≥ 20 GHz WaveLink Probes                                      | WL-2.92MM-CASE  |
| ProLink to 2.92 mm Adapter with Probe Power and Communication Pass Through                                     | LPA-2.92        |

| Product Description   | Product Code       |
|---|--------------------|
| <b>Accessories</b>  |                    |
| Cascade Microtech EZ-Probe Positioner   | EZ PROBE           |
| Probe Deskew and Calibration Test Fixture   | TF-DSQ             |
| <b>Calibration Options</b>  |                    |
| NIST Calibration for D1305. Includes Test Data  | D1305-A-CCNIST     |
| NIST Calibration for D1605. Includes Test Data  | D1605-A-CCNIST     |
| NIST Calibration for D2005. Includes Test Data  | D2005-A-CCNIST     |
| NIST Calibration for D2505. Includes Test Data  | D2505-A-CCNIST     |
| <b>Replacement Parts</b>  |                    |
| Replacement Dxx05-SI 13–25 GHz Solder-In Lead with Qty. 5 Spare Resistors                           | Dxx05-SI           |
| Replacement SI Resistor Kit for Dxx05-SI Solder-In Tip  | Dxx05-SI-RESISTORS |
| Replacement Dxx05-PT Positioner Tip   | Dxx05-PT           |
| Qty. 4 Replacement Carbon Composite Pogo-pin Tips   | Dxx05-PT-TIPS      |
| Replacement Probe Tip Holder Kit  | PK600ST-3          |
| Replacement Platform/Cable Assembly Mounting Kit  | PK600ST-4          |
| Qty. 1 Package of Black Adhesive Pads (10/pkg.) and Qty. 1 Package of White Adhesive Pads (10/pkg.) | Dxx0-PT-TAPE       |
| Qty. 1 Package of Adhesive Probe Connection Guides (200 individual guides/package)                  | Dxx05-PT-GUIDES    |

## Customer Service

Teledyne LeCroy oscilloscopes and probes are designed, built, and tested to ensure high reliability. In the unlikely event you experience difficulties, our digital oscilloscopes are fully warranted for three years and our probes are warranted for one year.

This warranty includes:

- No charge for return shipping
- Long-term 7-year support
- Upgrade to latest software at no charge



1-800-5-LeCroy  
teledyneleeroy.com

Local sales offices are located throughout the world.  
Visit our website to find the most convenient location.