

## Introduction:



Fig1: USB3.0 2X Trace Calibration Fixture(USB3-CK01A)

LiTek's USB3.0 2X Trace Calibration fixture (USB3-CK01A) can be used to calibrate the response of the USB3.0 Type A or USB3.0 Type B or USB3.0 Type Micro A/B test fixture .We can get more accuracy by using the Calibration Fixture before testing.



Fig2: USB3-CK01A connect with SMA Coaxial cable form Equipment for calibration before testing.

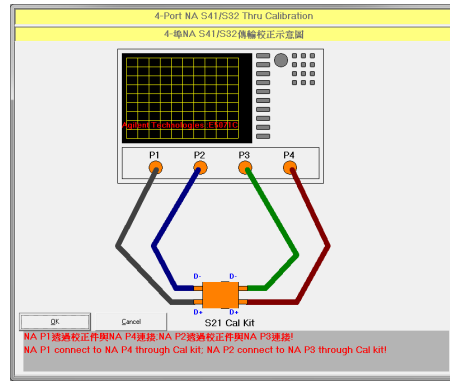


Fig3: USB3-CK01A-USB3.0 software Calibration.

For USB3.0 Assembly Cable testing. We can reduce the fixture response by calibration. LiTek's USB3.0 2X Trace Calibration fixture (USB3-CK01A) is suitable for the LiTek's USB3.0 test fixture as below :

1. USB3-AR01A: USB3.0 Type A receptacle test fixture.
2. USB3-BR01A: USB3.0 Type B receptacle test fixture.
3. USB3-MR01A: USB3.0 Type Micro A/B receptacle test fixture.

## Features:

1. Good Impedance match:  $100\Omega \pm 5\Omega$
2. 2x Trace Length: meet USB3.0 test fixture.
3. Fast Rise Time: Less than 50 ps.
4. Low Intra pair skew:  $\pm 2ps$
5. Low Loss design: Less than 3 dB @5GHz
6. 4 SMA connectors receptacle.

Fig4: USB3-CK01A dimensions



## Related LiTek Products:

Customer own USB3-CK01A may also buy:

- USB3-AP01A: USB3.0 Type A plug test fixture.
- USB3-AR01A: USB3.0 Type A receptacle test fixture.
- USB3-BP01A: USB3.0 Type B Plug test fixture.
- USB3-BR01A: USB3.0 Type B receptacle test fixture.
- USB3-MP01A: USB3.0 Type Micro A/B plug test fixture.
- USB3-MR01A: USB3.0 Type Micro A/B receptacle test fixture.
- TpNA for USB3.0 Software.

## Application and Reference:

USB3-CK01A can be used to these listed below:

- USB3.0 Type A receptacle test fixture.
- USB3.0 Type B receptacle test fixture.
- USB3.0 Type Micro A/B receptacle test fixture.

USB3.0 Measurement Related websites:

- USB Org: <http://www.usb.org>
- Agilent: <http://www.agilent.com>
- Tektronix: <http://www.tektronix.com>
- LiTeK: <http://www.litek.tw>

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