

Introduction:



Fig1: MHL Type A receptacle Test Fixture (MHL-AR01AM)

The Mobile High-definition Link is an interface for transmitting digital television audiovisual signals from mobile phones, mobile video players, video cameras, still image cameras and other audiovisual source to television sets, projectors, monitors and other video displays.

LiTek's Mobile High-definition Link(MHL) Type A receptacle Test fixture (MHL-AR01AM) can be used to measure the MHL Cable which one side is HDMI Type A plug and the other side is USB Micro B plug



Fig2: MHL Cable plugged into LiTek's MHL Type A receptacle Test fixture and LiTek's MHL Micro USB Test fixture.



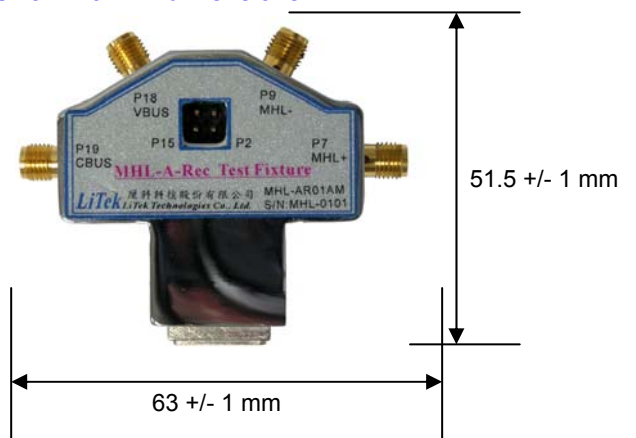
Fig3: MHL-AR01AM plugged with Type A Cable.

The power may be required from the attached test fixture when testing an MHL Source. The LiTek's MHL-AR01AM can provide power to the source-under test by pin 15 and pin2 marked on the fixture.

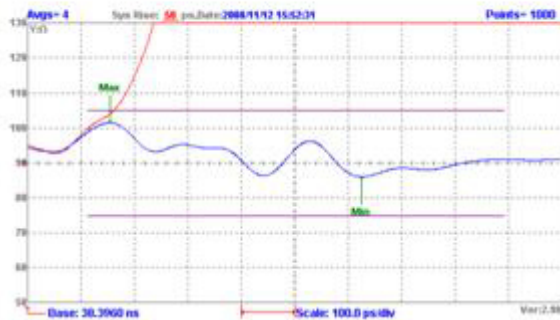
Features:

1. Good Impedance match: $100\Omega \pm 5\Omega$
2. Short Trace Length: meet MHL spec.
3. Fast Rise Time: Less than 50 ps.
4. Low Intra pair skew: ± 2 ps
5. Low Loss design: Less than 3 dB @5.1GHz
6. Signal Pairs: MHL+/MHL- and VBUS and CBUS.
7. 4 SMA connectors and HDMI Type A receptacle.

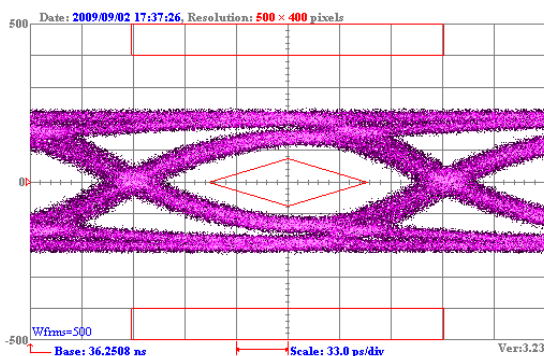
Fig4: USB3-AR01AM dimensions



MHL Mated impedance



MHL Eye diagram with 2M Cable



Application and Reference:

MHL-AR01AM can be used to these listed below:

- MHL Devices.
- Measurements for MHL Cable with Type A plug side connector.

Related LiTek Products:

Customer own MHL-AR01AM may also buy:

- MHL-MR01AM: MHL Micro Receptacle Test Fixture.
- MHL-MP01AM: MHL Micro Plug Test Fixture.
- MHL-CK01AM: MHL Calibration Kit.
- TpNA for MHL Software.

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