

Introduction:



Fig1: HDMI-AP01AM, HDMI Active type A Plug Test Fixture

LiTek's **HDMI-AP01AM(HPT340)** is a HDMI Type A Plug test fixture used to measure HDMI connector or HDMI source with HDMI Type A receptacle connector and connected with HDMI A type cable assembly. There are 4 pairs with SMA connectors in the Scope or Signal generator sides. The impedance in the test fixture is well designed between 95~105 ohms. The intra pair skew for all 4 pairs are designed less than 3ps.

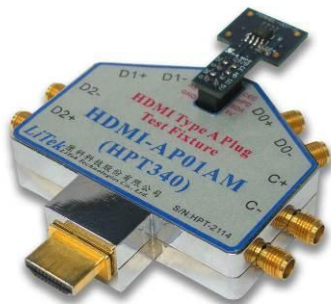


Fig2: HDMI-AP01A With EDID Board

Application:

- Mother
- Camera
- TV
- Cable Assembly

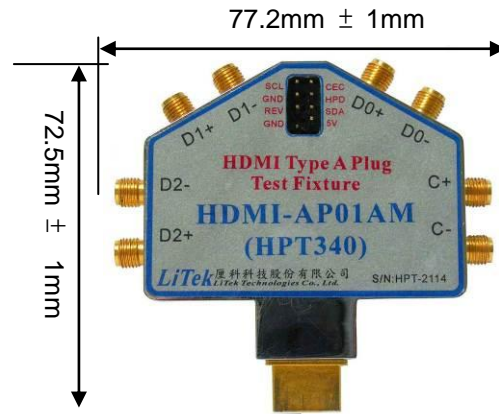


Fig 3: Dimension of HDMI-AP01AM

Physical Characteristic:

RF Connector: SMA X8
 HDMI Connector: Type A plug
 Dimension: 77.2 X 72.5 mm²

Features and Performance:

Trace Impedance: 100 +/- 5 Ω
 Skew: Less than 3ps.
 Loss: Less than 3 dB @3.4GHz.

P01	D2 +	P02	D2 GND
P03	D2-	P04	D1 +
P05	D1 GND	P06	D1-
P07	D0+	P08	D0 GND
P09	D0-	P10	CLK+
P11	CLK GND	P12	CLK-
P13	CEC	P14	Utility(HEAC+)
P15	SCL	P16	SDA
P17	DDC GND	P18	+5V
P19	HPD(HEAC-)		

Table 1:Type C Pin Assignments

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