

Introduction:



Fig 1: HDMI Active Type D Plug test fixture (HDMI-DP01A)

LiTek's **HDMI-DP01A** is a HDMI Type D Plug test fixture used to measure HDMI connector or HDMI source with HDMI Type D receptacle connector and connected with HDMI D 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.



Fig 2: HDMI-DP01A with EDID

Application:

- Mobile device.
- Cable Assembly with D receptacle.
- Camera with D receptacle.
- Other sources with D receptacle.

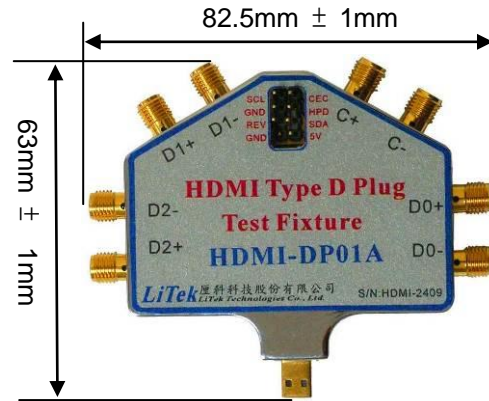


Fig 3: Dimension of HDMI-DP01A

Physical Characteristic:

RF Connector: SMA X 8
 HDMI Connector: Type D plug
 Dimension: 77.5 X 65.5 mm²

Features and Performance:

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

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

Table1: Type D Pin Assignments

Contact LiTek:

Taiwan: 4F-3, No.18, Huannan Rd., Pingzhen City, Taoyuan County 32448, Taiwan Tel: +886-3-4951851 Fax: +886-3-4951841

李文福 經理 Leo Lee leo@litek.tw Cell Phone: +886-922330325

China: 901R Shencai Building Fuyong Boulevard Fuyong Town Baoan District Shenzhen Guangdong

洪瑋駿 經理 Thomas Hung thomas@litek.tw Cell Phone: +86-13823201991