Sapphire Instruments Co., Ltd.

Specifications of LDP-6001

Specifications

Bandwidth	DC to 25MHz (-3dB)
Attenuation Ratio	1:10/100
Accuracy	±2%
Rise Time	14ns
Input Impedance	4MΩ//5.5pF each side to ground
Input Voltage	
-Differential Range	±70V(DC+Peak AC) or 70Vrms @1/10
	±700V(DC+Peak AC) or 700Vrms @1/100
- Common Mode Range	±700V(DC+Peak AC) or 700Vrms @1/10 & 1/100
- Absolute Max. Voltage	±1400V(DC+Peak AC) or 1000Vrms CAT III @1/10
(Differential or Common Mode)	& 1/100
Output Voltage	
- Swing	±7V (into 50kΩ load)
- Offset (typical)	<±5mV
- Noise (typical)	0.7mVrms
- Source Impedance (typical)	50Ω (for using 1MΩ input system oscilloscope)
CMRR (typical)	-86dB @50Hz, -66dB @20kHZ
Ambient Operating Temperature	-10 to 40℃
Ambient Storage Temperature	-30 to 70℃
Ambient Operating Humidity	25 to 85% RH
Ambient Storage Humidity	25 to 85% RH
Power Requirements*	
- Standard	4xAA cells
- Options	Power leads, Mains adaptor* (6VDC/60mA
	or regulated 9VDC/40mA), USB power cord
Length of BNC Cable	95cm
Length of Input Leads	45cm
Weight	400gms (probe and PVC jacket)
Dimensions (LxWxH)	170mm x 63mm x 21mm

* a. The supplied voltage must be less than 12V and greater than 4.4V, otherwise the probe could be damaged or can't be operated properly.

b. polarity is "+" inside and "–" outside. For wrong polarity, built-in circuit protects the probe,

no danger or damage will occur.

c. When the voltage of the cells become too low, the power indicator on the panel will flicker.