

SI-9002

Differential Probes

勝特力材料 886-3-5753170
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[Http://www.100y.com.tw](http://www.100y.com.tw)



Features:

- Up to +/- 1400V(DC+Peak AC) Differential and common Mode
- Safety Certified
- Economical Cost

Applications:

- Switching Power Supply Design
- Motor Drive Design
- Electronic Ballast Design
- CRT Display Design

Specifications

Bandwidth	DC to 25MHz (-3dB)
Attenuation Ratio	1:20/200
Accuracy	+/- 2%
Rise Time	14ns
Input Impedance	4Mohm//5.5pF each side to ground
Input Voltage	
-Differential Range	+/- 140V(DC+Peak AC) or 140Vrms @ 1/20 +/-1400V(DC+Peak AC) or 1000Vrms @1/200
-Common Mode Range	+/-1400V(DC+Peak AC) or 1000Vrms @1/20 & 1/200
-Absolute Max. Voltage (Differential or Common Mode)	+/-1400V(DC+Peak AC) or 1000Vrms CAT III @1/20 & 1/200
Output Voltage	
- Swing	+/-7V (into 50kohm load)
-Offset (typical)	<+/-5mV
-Noise (typical)	0.7mVrms
-Source Impedance (typical)	50 ohm (for using 1Mohm input system oscilloscope)
CMRR (typical)	-80dB @50Hz, -60dB @20kHz
Ambient Operating Temperature	-10 to 40 degree centigrade
Ambient Storage Temperature	-30 to 70 degree centigrade
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)
Dimension(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.