



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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CT4068-NA

High Voltage
Differential Probe
35 MHz / ± 800 V

Datasheet

Overview:

Use the CT4068-NA 35-MHz differential probe to make safe and accurate floating measurements with an oscilloscope. The CT4068-NA differential probe allows conventional earth-grounded oscilloscopes to be used for floating signal measurements of up to ± 800 V for both differential and common mode voltage.



Features:

- 35 MHz bandwidth
- Selectable attenuation settings of 10x or 100x
- Up to ± 800 V differential and common mode voltage
- Compatible with most oscilloscopes
- Powered by included 9 VDC mains adapter



Specifications

Operating Parameters	
Bandwidth	35 MHz
Rise Time	10 ns
Attenuation	10x/100x
Accuracy	±2%
AC CMRR	-80 dB @ 60 Hz -60 dB @ 100 Hz -50 dB @ 1 MHz
Input Impedance	Between inputs: 9 MΩ // 1.7 pF Each input to ground: 4.5 MΩ // 3.4 pF
Input Voltage	
Differential Voltage (DC+ACpk)	±80 V / ±800 V
Common-Mode Voltage (DC+ACpk)	±800 V 560 Vrms
Absolute Max Voltage (DC+ACpk)	±800 V 560 Vrms
Output Voltage	
Swing	±8 V (±4 V into 50 Ω load)
Source Impedance (Typ.)	50 Ω
General	
Power Supply	External 9 VDC power supply
Power Consumption	200 mA (about 9 VDC)
Operating Temperature/ Humidity	0°C to 50°C / 10% to 85% RH
Storage Temperature/Hu- midity	-30°C to 70°C / 10% to 90% RH
Cable Length	100 cm (separate leads)
Input Leads Length	60 cm (separate leads)
Weight	250 g
Dimensions	195 x 55 x 30 mm