# CT4076-NA

## High Voltage Differential Probe 35 MHz / ±7.5 kV

# Datasheet

***Overview:***

Use the CT4076-NA 35-MHz differential probe to make safe and accurate floating measurements with an oscilloscope.
The CT4076-NA differential probe allows conventional earth-grounded oscilloscopes to be used for floating signal measurements of up to ±7.5 kV for both differential and common mode voltage.


***Features:***

- 35 MHz bandwidth
- Selectable attenuation settings of 100x or 1000x
- Up to ±7.5 kV differential and common mode voltage
- Compatible with most oscilloscopes
- Powered by included 5 VDC mains adapter

Technical data subject to change.



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# Specifications

| | |
|---|---|
| ***Operating Parameters*** | |
| Bandwidth | 35 MHz / 12 MHz |
| Rise Time | 10 ns / 30 ns |
| Attenuation | 100x / 1000x |
| Accuracy | ±2% |
| AC CMRR | -80 dB @ 60 Hz<br>-60 dB @ 100 Hz<br>-50 dB @ 1 MHz |
| Input Impedance | Between inputs: 54 MΩ // 1.5 pF<br>Each input to ground: 27 MΩ // 3 pF |
| ***Input Voltage*** | |
| Differential Voltage (DC + ACpeak) | ±750 V / ±7.5 kV |
| Each Input to Ground (DC + ACpeak) | ±750 V / ±3.7 kV |
| Absolute Maximum Input (DC + ACpeak) | ±750 V / ±7.5 kV |
| ***Output Voltage*** | |
| Swing | ±8 V (±4 V into 50 Ω load) |
| Source Impedance | 50 Ω |
| ***General*** | |
| Power Supply | External 5 VDC power supply |
| Power Consumption | 500 mA about (5 VDC) |
| Operating Temperature/ Humidity | 0°C to 50°C / 10% to 85% RH |
| Storage Temperature/Humidity | -30°C to 70°C / 10% to 90% RH |
| Cable Length | 100 cm |
| Input Leads Length | 60 cm each |
| Weight | 350 g |
| Dimensions | 220 x 85 x 30 mm |

Technical data subject to change.





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