CT4076

High Voltage Differential Probe 35 MHz / ±7.5 kV

Datasheet

Overview:

Use the CT4076 35-MHz differential probe to make safe and accurate floating measurements with an oscilloscope. The CT4076 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 9 VDC mains adapter

Specifications

Operating Parameters	
Bandwidth	35 MHz
Rise Time	10 ns
Attenuation	100x / 1000x
Accuracy	±2%
AC CMRR	-80 dB @ 60 Hz -60 dB @ 100 Hz -50 dB @ 1 MHz
Input Impedance	Between inputs: 50 MΩ // 1.3 pF Each input to ground: 25 MΩ // 2.6 pF
Input Voltage	
Differential Voltage (DC+ACpk)	±750 V / ±7.5 kV
Common-Mode Voltage (DC+ACpk)	±7.5 kV or 5.5 kVrms
Absolute Max Voltage (DC+ACpk)	±7.5 kV or 5.5 kVrms
Output Voltage	
Swing	±8 V (±4 V into 50 Ω load)
Source Impedance	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/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