



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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CT2982B

10 kV High Voltage Probe

Datasheet

Overview:

The CT2982B is a 10 kV high voltage divider probe for use with both digital and analog oscilloscopes.

Kit Contents:

- Probe
- Hook tip
- Flat bar tip

Features:

- Input voltage of 10 kV (DC+ACpk)
- 40 MHz bandwidth
- Voltage dividing of 1000:1
- Frequency compensation



All specifications apply to the unit after a temperature stabilization time of 20 minutes over an ambient temperature range of 25 °C ± 5 °C.

Specifications	
Operating Parameters	
Maximum Input Voltage (CAT I)	10 kV (DC + ACpk) 7 kVrms AC
Division Ratio	1000:1
Bandwidth	40 MHz (-3 dB)
Compensation Range	5 pF to 50 pF
Temperature Coefficient	≤200 ppm/°C
Input Resistance	100 MΩ ± 5%
Rise Time	≤8.8 ns
Accuracy	
DC Volts	±3% (below 10 kV)
AC Volts	±3% at 1 kHz ±3 dB 0 to 40 MHz
General	
Cable Length	6.6 ft (2 m)
Designed for Use in	Pollution Degree 2
Operating Environment	32°F to 122°F 0°C to 50°C
Storage Temperature	-4°F to 158°F -20°C to 70°C
Humidity	≤80% relative humidity at 104°F (40°C)
Dimensions	13 in (34 cm)
Weight	0.55 lbs (250 g)
Warranty	One-year warranty

Specifications are subject to change without notice. To ensure the most current version of this manual, please download the current version from our website: caltestelectronics.com