



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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CT4028

39 kV High Voltage Probe

Datasheet



Overview:

The Cal Test Electronics CT4028 is a 39 kV high voltage divider probe for use with both digital and analog oscilloscopes.

Features:

- Input voltage of 39 kV (DC+ACpk)
- 220 MHz bandwidth
- Voltage dividing of 1000:1
- Frequency compensation

Technical data subject to change.
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Specifications	
Operating Parameters	
Maximum Input Voltage (CAT I)	39 kV (DC + ACpk) 27 kVrms AC
Maximum Loading	1000:1
Current	45 μ A
Division Ratio	1000:1
Bandwidth	DC to 220 MHz
Compensation Range	10 pF to 35 pF
Temperature Coefficient	≤ 200 ppm/ $^{\circ}$ C
Input Resistance	900 M Ω
Input Capacitance	2.0 pF
Rise Time	1.6 ns
Signal/Noise	> 60 dB @ 1 kHz > 50 dB @ 1 MHz
Accuracy	
DC Volts	$\leq 3\%$ (0 to 35 kV)
AC Volts	$\leq 3\%$ at 1 kHz
General	
Cable Length	6.6 ft (2 m)
Designed for Use in	Pollution Degree 2
Operating Temperature	14 $^{\circ}$ F to 131 $^{\circ}$ F (-10 $^{\circ}$ C to 55 $^{\circ}$ C)
Storage Temperature	-4 $^{\circ}$ F to 158 $^{\circ}$ F (-20 $^{\circ}$ C to 70 $^{\circ}$ C)
Humidity	$\leq 85\%$ relative humidity at 95 $^{\circ}$ F (35 $^{\circ}$ C)
Dimensions	3.1 x 3.1 x 12.6 in (8 x 8 x 32 cm)
Weight	1.0 lbs (460 g)
Warranty	One-year warranty

