

CT4025

10 kV High Voltage Probe

Datasheet



Overview:

The Cal Test Electronics CT4025 is a 10 kV high voltage divider probe for use with both digital and analog oscilloscopes.

Features:

- Input voltage of 10 kV (DC+ACpk)
- 120 MHz bandwidth
- Voltage dividing of 100:1
- Frequency compensation

Technical data subject to change.
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Specifications

Operating Parameters	
Maximum Input Voltage (CAT I)	10 kV (DC + ACpk) 7 kVrms AC
Maximum Loading Current	100 μ A
Division Ratio	100:1
Bandwidth	DC to 120 MHz
Compensation Range	10 pF to 35 pF
Temperature Coefficient	\leq 200 ppm/ $^{\circ}$ C
Input Resistance	100 M Ω
Input Capacitance	2.0 pF
Rise Time	3.0 ns
Signal/Noise	>60 dB @ 1 KHz >50 dB @1 MHz
Accuracy	
DC Volts	\leq 3%
AC Volts	\leq 3% at 1 kHz
General	
Cable Length	6.6 ft (2 m)
Designed for Use in	Pollution Degree 2
Operating Environment	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