

Active Differential Probe Kit, 200 MHz, 10x Small Signal $\pm 20V$

CT3688A



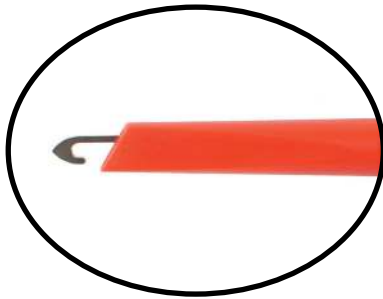
Features:

- Meets IEC 61010-031 safety standard
- Small compact size
- Up to $\pm 20 V$ differential
- High accuracy $\pm 1\%$
- 200 MHz bandwidth (-3dB)
- Excellent CMRR
- Kit comes in foam-lined plastic case and contains:
 - Differential probe
 - (2) Sprung hook probes, 1000 V, CAT III, 20 A (black & red)
 - (2) Alligator clips, 300 V, CAT II (black & red)
 - 9 V Battery
 - USB Power Cable

Description:

Differential probes allow safe, accurate measurement between two voltage points where neither point is referenced to ground. The CT3688A offers a 200 MHz bandwidth and can test up to $\pm 60 V$ (DC + AC peak). Compatible with oscilloscopes from all major manufacturers, the probe can be battery operated or powered directly from an oscilloscope using the included USB cable.

Accessories:



Specifications and appearance subject to change without notice
D3368A0 073020

1 - www.caltelectronics.com

Cal Test
ELECTRONICS

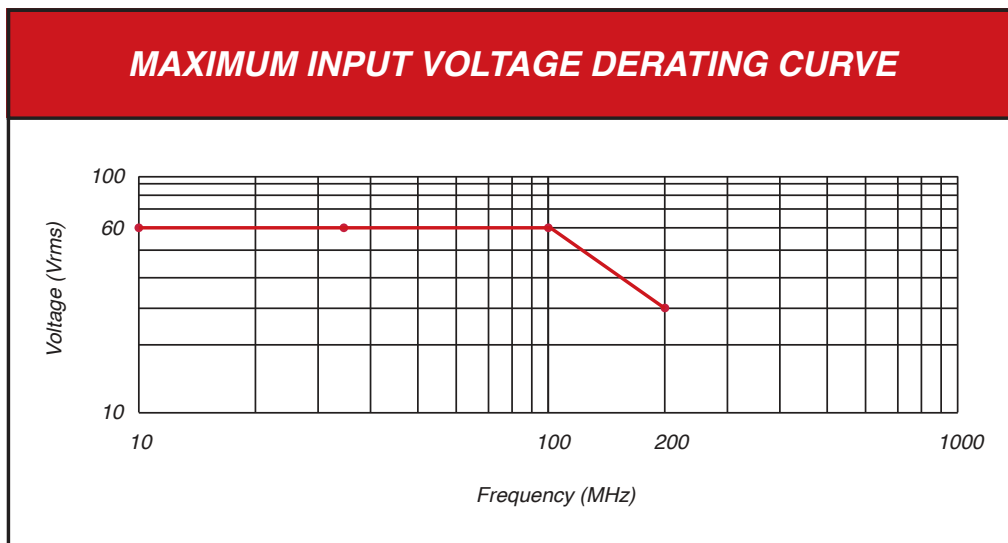
SPECIFICATIONS

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

ELECTRICAL SPECIFICATIONS	
Bandwidth (-3dB)	200 MHz
Rise Time (10%-90%)	1.75 ns
Attenuation Ratio	10x
Accuracy	±1%
CMRR (typical)	-80 dB @ 100 Hz -50 dB @ 10 MHz
Maximum Differential Input Voltage (DC + AC peak)	±20 V
Maximum Common Mode Input Voltage (DC + AC peak)	±60 V
Absolute Maximum Rated Input Voltage (each side to ground)	40 Vrms CAT I
Input Impedance	500 kΩ // 7 pF (each side to ground)
Output Voltage Swing	±2 V (driving 50 Ω oscilloscope input)
Offset (typical)	±2 mV
Noise (typical)	0.3 mVrms
Source Impedance	50 Ω
Power Supply	CT4122 USB Power Cable (included) or 9 V battery (included)

MECHANICAL SPECIFICATIONS		ENVIRONMENTAL SPECIFICATIONS	
Weight	200 g	Operating Temp/Humidity	-10°C to 40°C / Up to 85% RH
Dimensions (L x W x H)	111 mm x 22 mm x 14 mm	Storage Temp/Humidity	-30°C to 70°C / Up to 85% RH
BNC Cable Length	120 cm	Pollution Degree	Pollution Degree 2
Input Leads Length	50 cm	Altitude	Operating: 3,000 m Non-operating: 15,300 m

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



Specifications and appearance subject to change without notice
D3688A0 073020

Order Information:

CT3688A

Active Differential Probe Kit, 200 MHz, 10x Small Signal $\pm 20V$

CT4122

USB Power Cable

CT4386

Insulated Sprung Hook Probes, 1000V, CAT III, 20A, Pair (Black & Red)

CT4441

Insulated Medium Alligator Clips, 300V, CAT II, Pair (Black & Red)

CT3723

9 V DC Power Adapter

Kit Image:



Copyright © 2020, Cal Test Electronics, Inc. All rights reserved. Information in this publication supersedes that in all previously published material. Trade names referenced are the service marks, trademarks or registered trademarks of their respective companies.

Contact Info:

Toll Free: 800-572-1028 (US Only)

Phone: 714-221-9330

Fax: 714-921-9849

22820 Savi Ranch Parkway

Yorba Linda, CA 92887-4610 USA

www.caltestelectronics.com