Active Differential Probe Kit, 200 MHz, 10x Small Signal ±20V

CT3688A



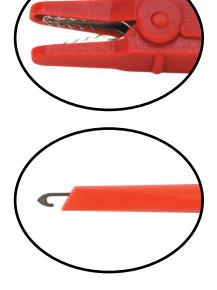
Features:

- Meets IEC 61010-031 safety standard
- Small compact size
- Up to ±20 V differential
- High accuracy ±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 $\pm 60 \text{ V}$ (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:







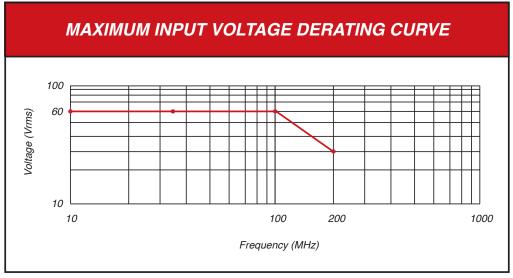
SPECIFICATIONS

All specifications apply to the unit after a temperature stabilization time of about 20 minutes over an ambient temperature range of 25 $^{\circ}$ C \pm 5 $^{\circ}$ 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 k Ω // 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
, ,	<i>′</i>	Pollution Degree	Pollution Degree 2
BNC Cable Length			Operating: 3,000 m
Input Leads Length	50 cm	Altitude	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

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Order Information:

CT3688A

Active Differential Probe Kit, 200 MHz, 10x Small Signal ±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:

Contact Info:

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