Pomona ELECTRONICS

Technical Data Sheet

Model 6499
Modular Passive Oscilloscope Probe

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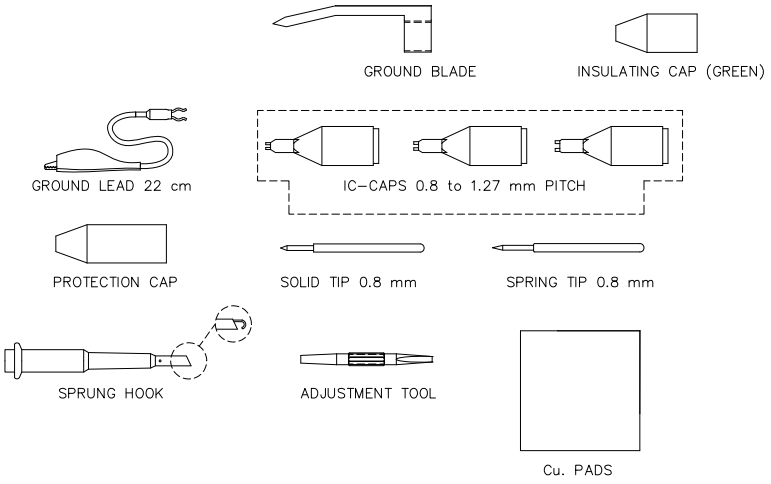
Accessories included with Probe:



Features

- This probe is recommended for general purpose probing applications and is adjustable for low frequencies.
- The probe's entire core is made of a high quality ceramic hybrid.
- Pure coaxial design and laser trimmed resistors ensure highest signal fidelity along the signal path offering high bandwidth and fast risetimes for accurate impulse measurements.
- Switchable probes offer unbreakable coaxial reed switches for changing between attenuation modes.
- Our passive probes are spring loaded, with needle sharp tips to support precise and safe measurements.
- Probe tips are interchangeable and can be replaced easily.
- Accessories (one of each) included with Probe are:
  - Ground Blade
  - Ground Lead with Alligator Clip 22 cm (8.66”)
  - IC Caps: 0.8mm, 1.0mm, and 1.27mm pitch
  - Insulating Cap (green)
  - Protection Cap
  - Solid Tip 0.8mm (0.0315”)
  - Spring Tip 0.8mm (0.0315”)
  - Sprung Hook
  - Adjustment Tool
  - Copper (Cu) Pads

Specifications

Attenuation Ratio	**1:1**	**10:1**
Maximum Input Voltage CAT II[1]	55 Vrms	300 Vrms
Scope Bandwidth MHz	60	
Probe Bandwidth MHz (-3 dB)	20	150
System Risetime (ns)	< 18	< 2.4
Probe Input Resistance (MΩ)	1	10
Probe Input Capacitance (pF)	< 78	< 13
Compensation Range (pF)	-	15 - 40
Cable Length	4 ft. (1.2 m)	

1 **Rating**: Per IEC 61010-031. Maximum voltage allowed on the low or ground connection including shell and housing must not exceed 30 V.

Ordering Information

Model: 6499
20/150 MHz X1/X10 Scope Probe

USA: Sales: 800-490-2361
Technical Support: technicalsupport@pomonatest.com
Fax: 425-446-5844
Europe: 31-(0) 40 2675 150 **International:** 425-446-5500
Where to Buy: www.pomonaelectronics.com

All dimensions are in inches. Tolerances (except noted): .xx = ±.02” (,51 mm), .xxx = ± .005” (,127 mm). All specifications are to the latest revisions. Specifications are subject to change without notice. Registered trademarks are the property of their respective companies.

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