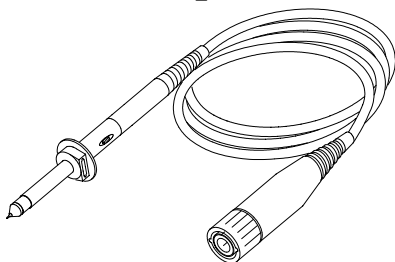






# 10070C, 10073C, and 10074C Oscilloscope Probes



## Characteristics

<b>Operating Temperature</b>	-10° C to 55° C		
<b>Humidity</b>	90% rh @ 40° C		
<b>Shock</b>	400g 1/2 sine wave on tip end 50g 1/2 sine wave on BNC end		
<b>Propagation Delay</b>	7 ns (1.5 m probe cable length)		
<b>Altitude</b>	4600 m (indoor use only)		
	<b>10070C</b>	<b>10073C</b>	<b>10074C</b>
<b>System Bandwidth</b>	20 MHz	500 MHz	150 MHz
<b>System Risetime (Calculated)</b>	<17.5 ns	<700 ps	<2.33 ns
<b>Attenuation Ratio</b>	1:1	10:1	10:1
<b>Input Resistance</b> (when terminated into 1 M $\Omega$ )	1 M $\Omega$	2.2 M $\Omega$	10 M $\Omega$
<b>Input Capacitance</b>	$\approx$ 70 pF	$\approx$ 12 pF	$\approx$ 15 pF
<b>Maximum Input</b> (dc + peak ac)	400 Vpk CAT I (mains isolated) 400 Vpk CAT II (post receptacle mains)	500 Vpk CAT I (mains isolated) 400 Vpk CAT II (post receptacle mains)	
			
<b>Compensation Range</b>	None	6 – 15 pF	9 – 17 pF
<b>Probe Readout</b>	No	Yes	Yes

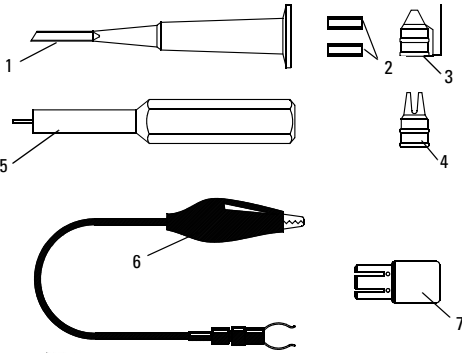
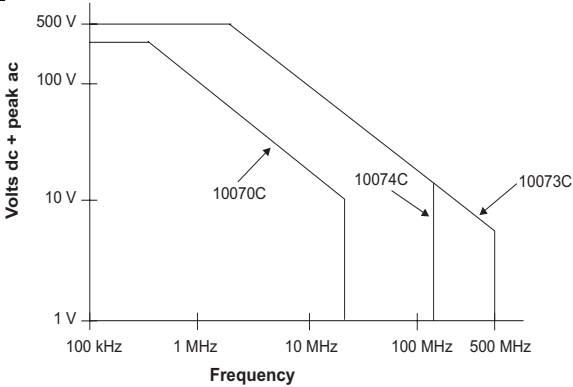
NOTE: An E2697A 1 M $\Omega$  input adapter is required to use this probe with a 50  $\Omega$  oscilloscope. The E2697A includes one 10073C general purpose 100 MHz, 10:1 passive probe .

 The input voltage should not exceed the input voltage rating of the measuring instrument.

**Cleaning** If your probe requires cleaning, disconnect it from the instrument and clean it with mild detergent and water. Make sure the probe is completely dry before reconnecting it to the instrument.



## Probe Derating Curve (CAT I)



### Agilent 5081-7690 Accessory Kit

Item	Description	Qty
1	Retractable Hook Tip (Also available in a 2-pack under Model Number N2769A)	1
2	Colored identification tags	8
3	Ground Bayonet	1
4	IC Tip	1
5	Adjustment Tool	1
6	Ground Lead (Black) (Also available in a 2-pack under Model Number N2770A)	1
7	BNC Adapter (not part of kit, order separately Agilent Part Number 5081-7705)	—



Agilent Part Number 10070-92011

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