

Instructions

P6020 20MHz

P6040 40MHz

P6060 60MHz

P6100 100MHz

P6150 150MHz

P6200 200MHz

1 x & 10 x Passive Probe



Accessories and Features

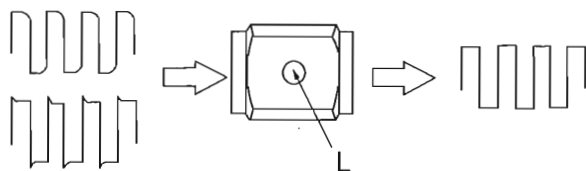
P6000 is provided with several accessories designed to make probing and measurement a simpler task. Please take a moment to familiarize yourself with these accessories and their uses.

TYPE	P6020	P6040	P6060	P6100	P6150	P6200
Attenuation Ratio	1X/10X					
Input Resistance	1M Ω :10 M Ω					
Input Capacitance	1X:	85pF-135pF				
	10X:	18.5pF-22.5pF				16pF-20pF
Compensation Range	15pF-45pF			10pF-35pF		
Bandwidth	1X: DC	6MHz				
	10X:DC	20MHz	40MHz	60MHz	100MHz	150MHz 200MHz
Rise Time	1X:	$\leq 58\text{ns}$				
	10X:	$\leq 17.5\text{ns}$	$\leq 8.75\text{ns}$	$\leq 5.8\text{ns}$	$\leq 3.5\text{ns}$	$\leq 2.3\text{ns}$ $\leq 1.75\text{ns}$
Working Voltage	1X:	$\leq 300\text{V DC}$				
	10X:	$\leq 600\text{V DC}$				
Net Weight	64g					
Cable length	120cm					
Operating	-10°C -- $+50^{\circ}\text{C}$					
Non-operating	-20°C -- $+75^{\circ}\text{C}$					
Humidity	$\leq 85\%$ relative humidity					

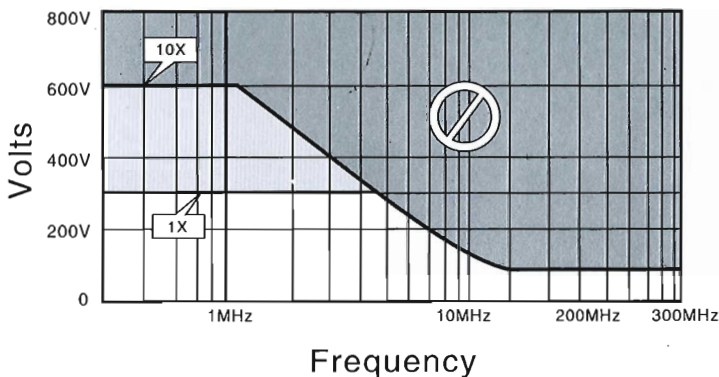
Low-Frequency probe Compensation

Before taking any measurements using a probe, first check the compensation of the probe and adjust it to match the channel inputs. Most oscilloscopes have a square wave reference signal available at a terminal on the front panel used to compensate the probe. Connect the probe to the signal source to display a 1 KHz test signal on your oscilloscope. Connect the probe to the signal source to display a 1 KHz test signal on your oscilloscope.

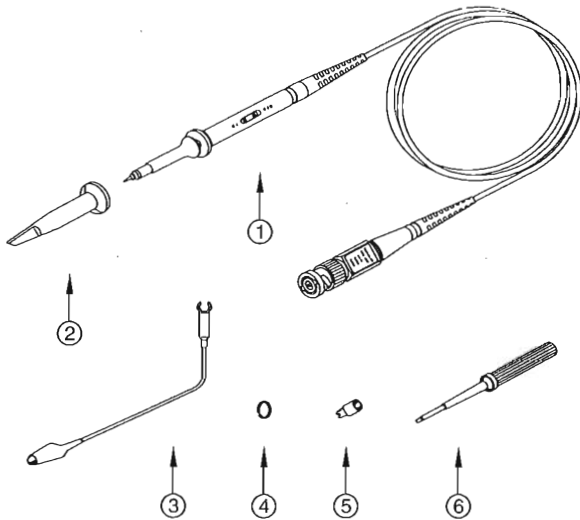
Adjust trimmer L until see a flat-top square wave on the display.



Maximum Working Voltage Derating Curve (VDC+Peak AC)



P6000 Assembly Drawing



Part Exposition:

- 1、 Probe Rod
- 2、 Probe Tip
- 3、 Ground Lead
- 4、 Marker Band
- 5、 Tip Locating sleeve
- 6、 Screwdriver