

Warning

When making measurements, personal safety is very important. Make sure that you understand the capabilities and limitations of probes to prolong their use-life.

Please note

1. Do not operate in wet/damp conditions.
2. Do not operate in an explosive atmosphere.
3. Do not operate with suspected failures.
4. Do not immerse probes in liquids.
5. Keep probe surfaces clean and dry.
6. Connect and disconnect probes properly.

Product List

- ① Probe – 1 pc ② Accessory – 1 pc ③ Ground wire – 1 pc
④ colour ring – 4 pcs ⑤ Locating cap – 1 pc
⑥ Regulating rod – 1 pc ⑦ Ground spring – 1 pc (P6200)
⑧ Instruction – 1 copy

Notice

All the specifications are subject to change without notice.

Instructions

- P6020 20MHz
- P6040 40MHz
- P6060 60MHz
- P6100 100MHz
- P6150 150MHz
- P6200 200MHz

1× & 10× Passive Probe



Operating Instruction

These passive high impedance probes are designed and calibrated for use on any oscilloscope that has an input impedance of 1 M Ω and whose input capacity is within the compensation range (refer to the specifications). When connecting the probe, please connect it to the oscilloscope before testing signals. When disconnecting the probe, first disconnect the probe tip from the test signal. In the process of test, make sure that alligator clip can be grounded reliably.

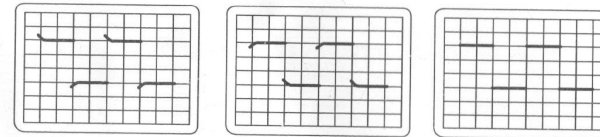
Specifications

Model		P6020	P6040	P6060	P6100	P6150	P6200
Attenuation Ratio		1x & 10x					
Input Resistance(M Ω)	1x	1					
	10x	10					
Input Capacitance(pF)	1x	130			90		
	10x	20			18		
Compensation Range(pF)	1x	x					
	10x	15-45			10-35		
Bandwidth(MHz)	1x	6					
	10x	20	40	60	100	150	200
Rise time(ns)	1x	58					
	10x	17.5	8.75	5.8	3.5	2.3	1.75
Working Voltage(V _{P-P})	1x	300					
	10x	600					
Net Weight(g)		64					
Cable Length(cm)		120					
Operating Temp.($^{\circ}$ C)		-10--+50					
Non-Operating Temp.($^{\circ}$ C)		-20--+75					
Humidity		\leq 85% Relative Humidity					

Low-frequency Compensation Adjustment

Low frequency response can be matched to the oscilloscope by adjusting the compensation trimmer on the head of the probe.

1. Connect the probe to the oscilloscope and to a 1KHz square waveform source.
2. Let the oscilloscope display a stable waveform.
3. Carefully adjust the trimmer tool to obtain the flat test tops to the square waves displayed on the oscilloscope.

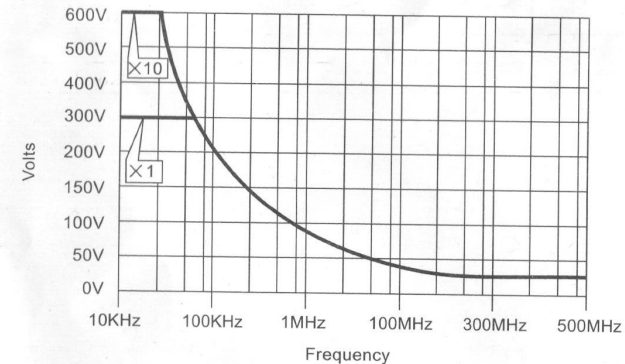


INCORRECT

INCORRECT

CORRECT

Maximum Working Voltage Derating Curve (VDC+VACp-p)





CE

CE

PE-3
Instr

P6100 100MHz

P606 100MHz

P6100 100MHz

P6100 100MHz

P6100 100MHz

P6100 100MHz

OSCILLATOR

