



Figure 1. The Photo of Actual P4060



Figure 2. The Photo of Actual P4100



Figure 3. The Photo of Actual P4250

FEATURES

Attenuation Ratio: 100×

Input Resistance: 100 MΩ

Input Capacitance: 6 pF

Compensation Range: 10 ~ 35 pF

Cable Length: 110cm

Humidity: ≤ 85% Relative Humidity

Operating Temperature: -10°C ~ +50°C

Non-operating Temperature: -20°C ~ +75°C

APPLICATIONS

It's widely used on oscilloscopes for making measurements.

DESCRIPTION

P4060, P4100 and P4025 are designed and calibrated for using on any oscilloscope that has an input impedance of 1 MΩ 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, disconnect the probe tip from the test signal first. In the process of test, make sure that alligator clip can be grounded reliably.

WARNING

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

1. Do not operate in wet or 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.



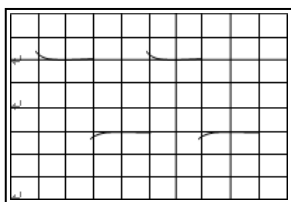
SPECIFICATIONS

Part #	P4060	P4100	P4250
Working Voltage (V_{p-p})	2000	2000	2000
Operating Temp. ($^{\circ}C$)	$-10 \sim +50$	$-10 \sim +50$	$-10 \sim +50$
Non-operating Temp. ($^{\circ}C$)	$-20 \sim +75$	$-20 \sim +75$	$-20 \sim +75$
Compensation Range (pF)	10 – 35	10 – 35	10 – 35
Bandwidth	DC–60MHz	DC–100MHz	DC–250MHz
Rise time (ns)	5.8	3.5	1.4
Attenuation Ratio	100×	100×	100×
Input Resistance ($M\Omega$)	100	100	100
Input Capacitance (pF)	6	6	6
Cable Length (cm)	110	110	110
Humidity	$\leq 85\%$ Relative Humidity	$\leq 85\%$ Relative Humidity	$\leq 85\%$ Relative Humidity
Net Weight (g)	55	55	55

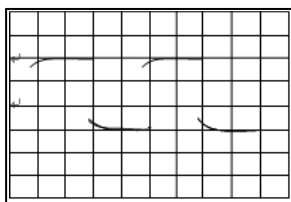
Low-frequency Compensation Adjustment

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

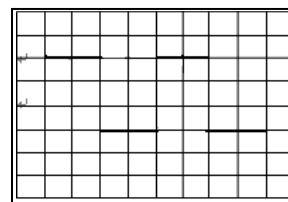
1. Connect the probe to the oscilloscope and to a 1 KHz square waveform source.
2. Let the oscilloscope display a stable waveform.
3. Carefully adjust the trimmer tool to obtain the flattest tops to the square waves displayed on the oscilloscope.



INCORRECT



INCORRECT



CORRECT

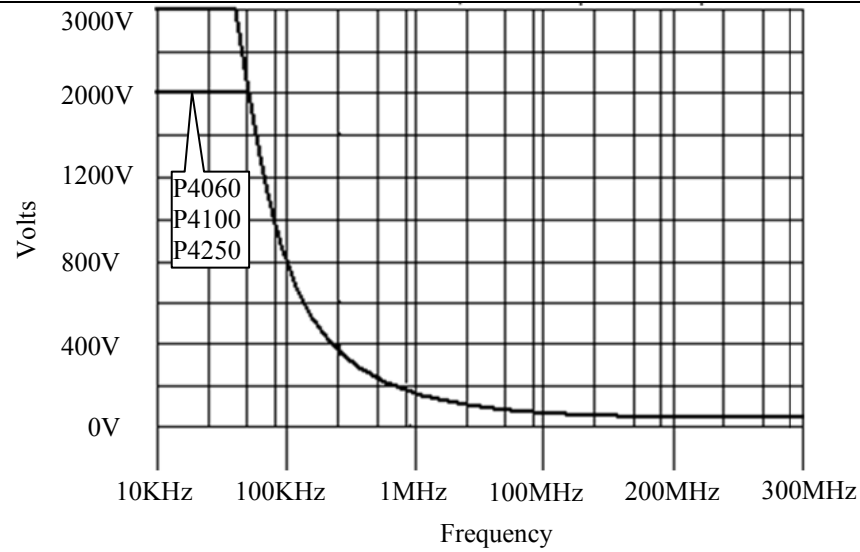


Figure 4. Maximum Working Voltage Derating Curve ($V_{DC} + V_{AC_{p-p}}$)