

## Voltage Derating Curve

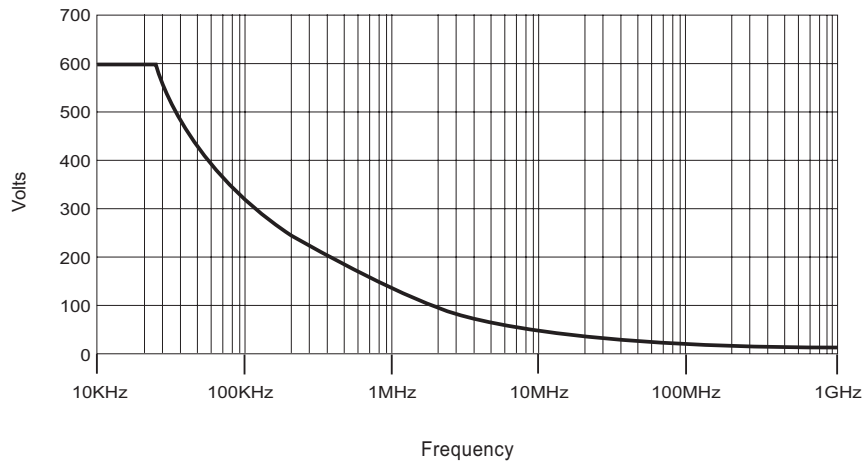


Fig.1

Made in Taiwan  
Version:HF-E0101A

## Accessories

### Description

Channel Identifier Clip  
Sprung Hook  
Ground Lead  
Insulating Tip  
IC Tip  
Adjusting Tool  
Measuring Tip  
Sprung Earth Tip  
BNC Adapter

### Part No.

PA-105 x4 Colors(Blue,Pink,Green,Yellow)  
PA-106  
PA-107  
PA-108  
PF-902  
PA-606  
PA-102  
PF-905  
PF-901

# Oscilloscope Probe Kit Model. CP-3351R



## Introduction

The CP-3351R is a passive high impedance oscilloscope probe designed and calibrated for use with instruments having an input impedance of 1 M $\Omega$  shunted by 15pF. However, it may be compensated for use with instruments having an input capacitance of 10 to 25pF. The CP-3351R is also compatible with readout function oscilloscopes that automatically detect probe attenuation and adjust the scale readout accordingly.

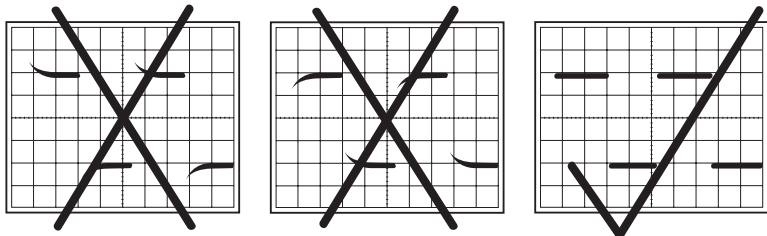
## Safety Instructions

Review the following safety precautions to avoid injury and prevent damage to this product or any products connected to it.

- To avoid potential hazards, use this product only as specified.
- The common terminal is at ground potential. Do not connect the common terminal to elevated voltages.
- Do not operate in an explosive atmosphere.
- Keep product surfaces clean and dry.
- 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.

## L.F. Compensation Adjustment

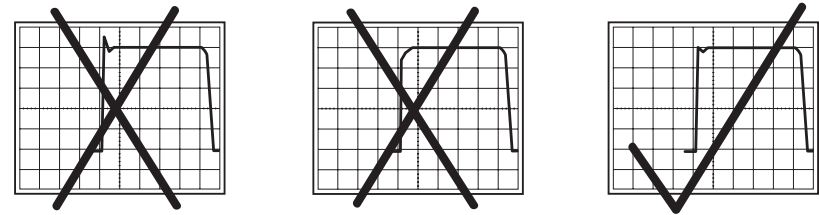
The following adjustment is required whenever the probe is transferred from one oscilloscope or input channel to another. Connect the probe to the oscilloscope, apply a 1KHz square wave to the probe tip, or connect to the cal socket on the oscilloscope to display a few cycles of the waveform and adjust the trimmer located in the BNC box for a flat topped square wave.



## H.F. Compensation Adjustment

The probe high frequency (H.F.) compensation should seldom require adjustment; however, if adjustment is required, use the following procedure.

Connect the probe to a 1MHz square wave (rise time less than 1nS), and adjust the oscilloscope controls to display one half cycle of the waveform. adjust the H.F. trimmer located in the BNC box for a flat topped square wave.



## Specifications

Attenuation Accuracy	10:1 $\pm$ 0.5% (at DC)
Bandwidth	DC to 350MHz ( $\pm$ 0.5db)
Rise Time	1.0nS
Input Resistance	10M $\Omega$ when used with oscilloscopes which have 1M $\Omega$ input.
Input Capacitance	Approx. 11.5pF
Compensation Range	10 to 25pF
Max. Input Voltage	600V CAT I, 300V CAT II (DC + peak AC) derating with frequency (see Fig.1)
Operating Temperature	0 $^{\circ}$ C to 50 $^{\circ}$ C
Humidity	85% RH or less (at 35 $^{\circ}$ C)
Safety	Meets EN61010-031 CAT II
Cable Length	1.2 Meter



The CP-3351R is compatible with readout function oscilloscopes that automatically detect and display the attenuation factor of the probe.