# Instructions

## 20MHz 40MHz 60MHz 100MHz
## X1&X10 Passive Probe



CE

IEC61010-031

# Specifications

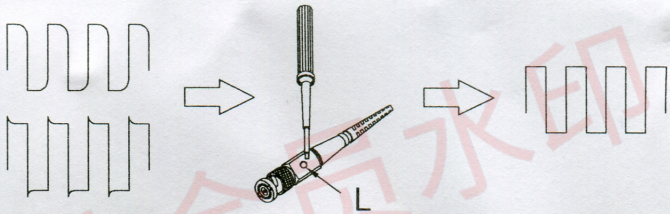
These characteristics apply to a probe installed on a specified oscilloscope.When used with another instrument, the oscilloscope must have an input impedance of 1 MΩ. The instrument must have a warm-up period of at least 20 minutes and be in an environment that does not exceed the limits.

| Item | 20MHz | 40MHz | 60MHz | 100MHz |
|---|---|---|---|---|
| Attenuation | X1 : X10 | | | |
| Input Resistance | 1MΩ ± 2%(X1):10MΩ ± 2% (X10) | | | |
| Input Capacitance | | X1: 85pF~115pF<br>X10: 18.5pF~22.5pF | | X1: 85pF~115pF<br>X10: 14.5pF~17.5pF |
| Compensation Range | All OSCILLOSCOPE | | | |
| System Bandwidth | X1: DC~6MHz<br>X10: DC~20MHz | DC~6MHz<br>DC~40MHz | DC~6MHz<br>DC~60MHz | DC~6MHz<br>DC~100MHz |
| Maximum Working Input Voltage | X1: <200VDC+Peak AC<br>X10: <600VDC+Peak AC | | | |
| Net Weight | <55g | | | |
| Cable Length | 120cm | | | |
| Temperature<br>Operating<br>Non operating | <br>-10℃--+50℃<br>-20℃--+75℃ | | | |
| Humidity | ≤85%(Relative Humidity) | | | |

# Maintenance

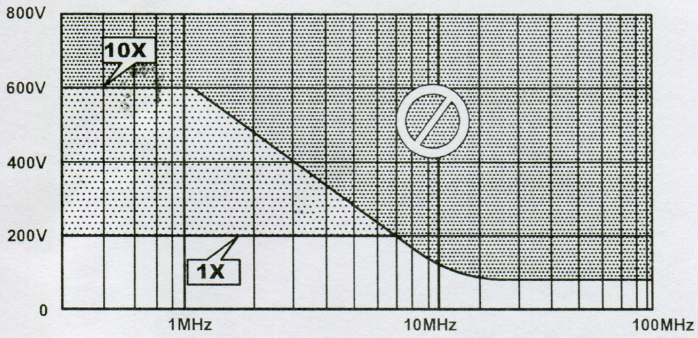
## Low-Frequency probe Compensation

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 1KHz test signal on your oscilloscope.Set the probe to X10 position.

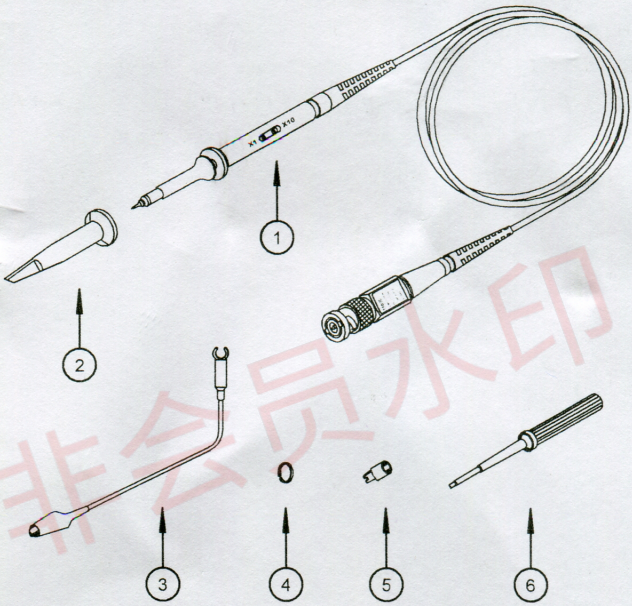



Adjust trimmer **L** until seeing flat-top square wave on the display.

**Maximum Working Voltage Derating Curve (VDC+Peak AC)**



## Probe Assembly Drawing






### Part Exposition :

1. Probe Rod
2. Probe Tip
3. Ground Lead
4. Marker Ring
5. Tip Locating Sleeve
6. Adjustment Tool

**Note:**Contents of this document are subject to change without notice.