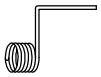
## UT-P07A Series Probe Assembly Drawing/装配图



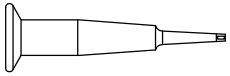
BNC adapte/BNC转接器



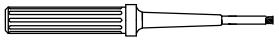
Ground Spring / 接地弹簧



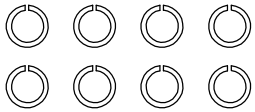
IC Tip / IC针套



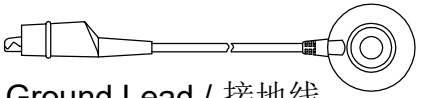
Sprung Hook / 探钩



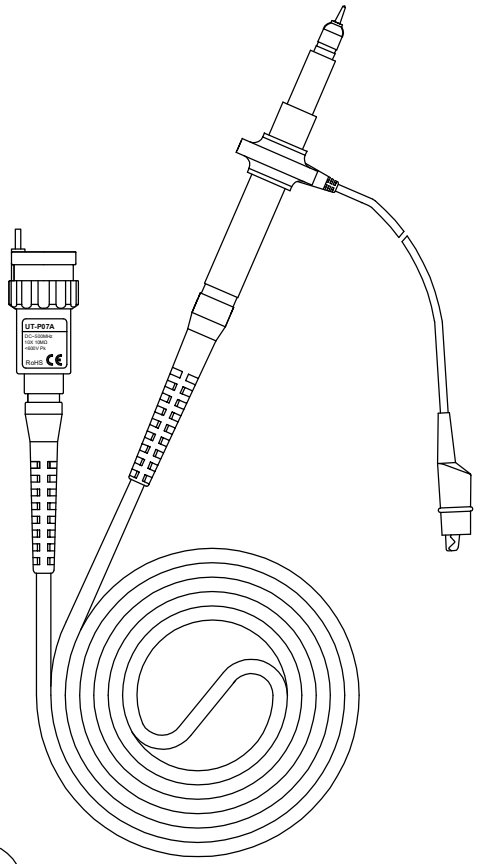
Adjustment Tool / 调试棒



Marker Ring / 色环



Ground Lead / 接地线




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**Instructions 使用手册**

# Passive Probe

# 无源探极

## UT-P07A 500MHz

CE Pb

## 性能与指标

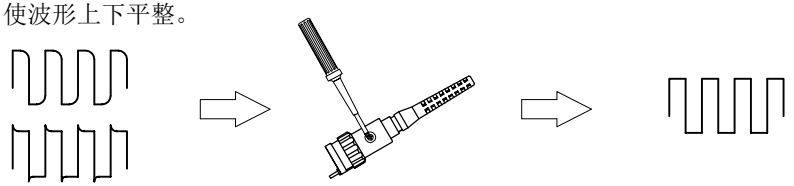
UT-P07A探极的下列参数要求与其连接的示波器必须具有 1MΩ的输入阻抗。使用的测试设备至少有20分钟的预热时间，并在不超过表中描述的极限环境中使用。

| 项目 | UT-P07A |
|---|---|
| 衰减 | 10X |
| 输入电阻 | 10MΩ |
| 输入电容 | 6.5pF-14.5pF |
| 系统带宽 | DC～500MHz |
| 补偿范围 | 10pF-40pF |
| 最大工作电压 | ≤600V pk |
| 安全 | Conformed IEC-61010 CAT II 300V AC |
| 净重 | <55g |
| 线长 | 120cm±1.5cm |
| 使用温度 | -10°C - +50°C |
| 湿度 | <85% (相对湿度) |

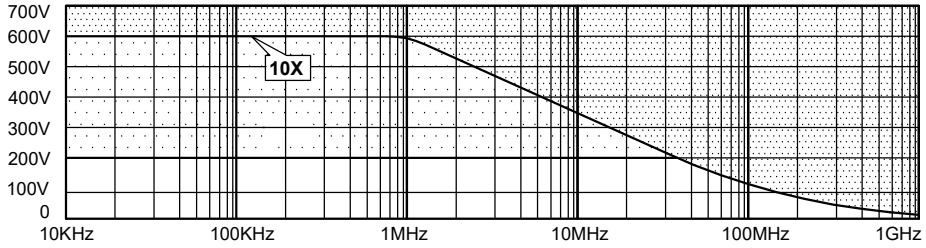
## 维护

低频探极补偿

使用探极进行测试前，首先请检查本品的低频补偿，将其调至与使用的示波器匹配。一般的示波器在其前面板上都有一个校准信号输出端，将探极的探针接到此信号输出端，示波器显示1KHz测试信号。如图所示，用调试棒调节探极 BNC端的调节孔内的器件，使波形上下平整。



### 电压-频率特性图 (VDC+Peak AC)




## Specifications

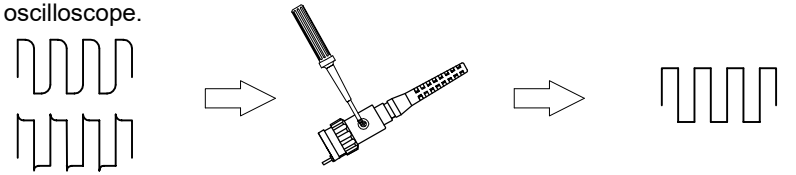
These characteristics apply to a UT-P07A probe installed on a specified oscilloscope.When used with another instrument.the oscilloscope must have an input impedance of 1 MΩ.The instrument must have a warm-up period of at least 20 minutes and be in an environment that does not exceed the limits.

| Item | UT-P07A |
|---|---|
| Attenuation | 10X |
| Input Resistance | 10MΩ |
| Input Capacitance | 6.5pF-14.5pF |
| System Bandwidth | DC～500MHz |
| Compensation Range | 10pF-40pF |
| Maximum Working Input Voltage | ≤600V pk |
| Safety | Conformed IEC-61010 CAT II 300V AC |
| Net Weight | <55g |
| Lenght | 120cm±1.5cm |
| Temperature | -10°C - +50°C |
| Humidity | ≤85% (Relative Humidity) |

## Maintenance

Compensation Adjustment

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 a1KHz test signal on your oscilloscope.



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

