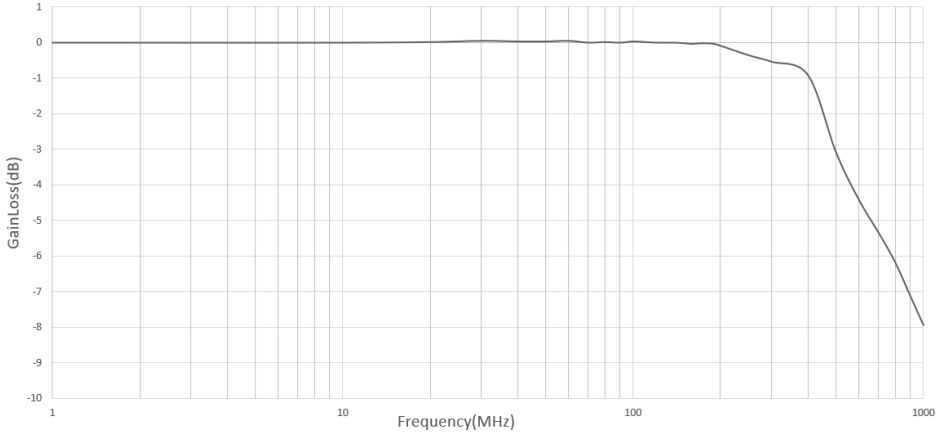
技术参数

除另行指明外，所有技术规格均为典型值。技术规格在以下情况下有效：

- 连接的示波器必须具有 1MΩ 的输入阻抗，且至少有 20 分钟的预热时间
- 探头已正常完成校准
- 探头所处环境的温度、湿度不能超出所述的环境要求限制

型号	MSP500
带宽	500MHz
上升时间	≤ 700ps
衰减	1:10
输入电阻	10MΩ
输入电容	12pF±1.5pF
最大安全工作电压	＜ 600Vpk
净重	＜ 53g
线长	120cm±1.5cm
工作温度	-10℃ ~ +50℃
工作湿度	＜ 85%（相对湿度）

幅频特性图



Micsig

深圳麦科信科技有限公司

电话：0755-88600880

邮箱：sales@micsig.com　网址：www.micsig.com.cn

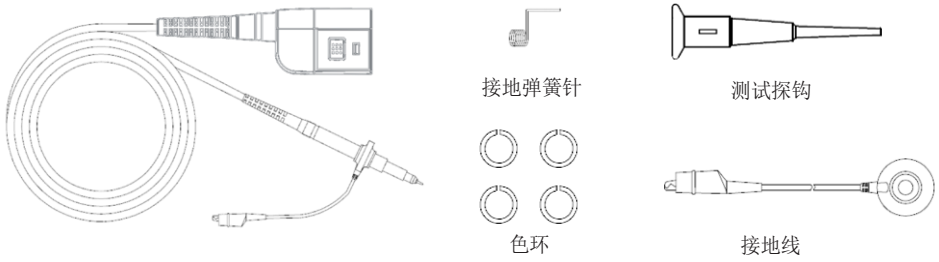
深圳市宝安区西乡街道南昌社区航城大道华丰国际机器人产业园 A 栋一楼

MSP500 无源探头用户手册

概述

MSP500 无源探头采用 Micsig 专用 Mic-OPI 接口，与示波器连接后会自动识别探头衰减倍率，可一键自动调节补偿。

装配图



校准

将探头连接至示波器的校准方波信号输出端，打开示波器对应通道菜单，示波器会 读取到探头的信息，点击“校准”按键，等待 2 秒左右，弹出提示框“校准成功” 表示校准完成。

* 注：探头连接到不同通道时需要重新校准，一个通道仅需校准一次即可。

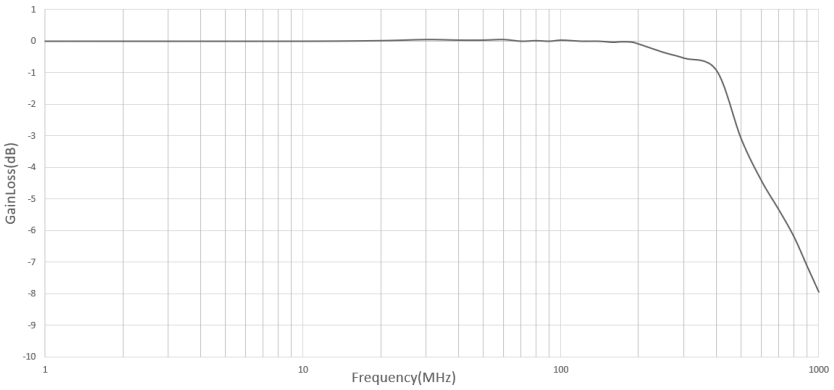
Specifications

Unless otherwise specified, all specifications are typical values and valid under the following conditions:

- Support 1MΩ input impedance oscilloscope and working for > 20 minutes.
- The probe has been calibrated properly.
- The temperature and humidity must not exceed the specified requirements.

Model	MSP500
Bandwidth	500MHz
Rise Time	≤700ps
Attenuation	1:10
Input Resistance	10MΩ
Input Capacitance	12pF±1.5pF
Max. Working Input Voltage	＜600Vpk
Net Weight	＜53g
Length	120cm ± 1.5cm
WorkingTemperature	-10℃ ~ +50℃
Working Humidity	＜85% (Relative)

Amplitude-Frequency characteristics curve



Shenzhen Micsig Technology Co., Ltd.

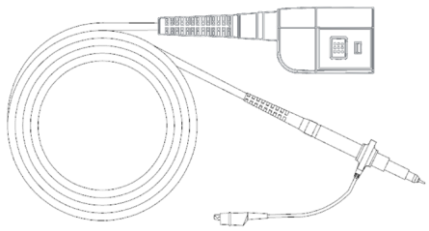
Tel: +86 (0)755-88600880
Email: sales@micsig.com Web: www.micsig.com
Add: A106, Huafeng International Robot Int'l Park, Hangcheng Rd, Bao'an District, Shenzhen, Guangdong, China, 518126

MSP500 Passive Probe User Guide

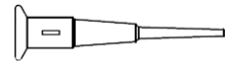
Overview

The MSP500 probe uses dedicated Mic-OPI interface from Micsig. It can be automatically identified attenuation ratio by Micsig MDO/MHO series oscilloscope, and can proceed probe compensation automatically.

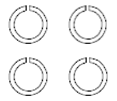
Assembly



Ground Tip



Sprung Hook



Color Rings

Ground Lead

Calibration

Connect the probe to the calibration square wave signal output terminal of the oscilloscope, open the corresponding channel menu of the oscilloscope, the oscilloscope will read the information from the probe, click the "calibrate" button, wait for about 2 seconds, and a pop-up box "calibration successful" indicates the completion of the calibration.

* Note: When the probe is connected to a different channel, it needs to be recalibrated. Each channel only needs to be calibrated once.