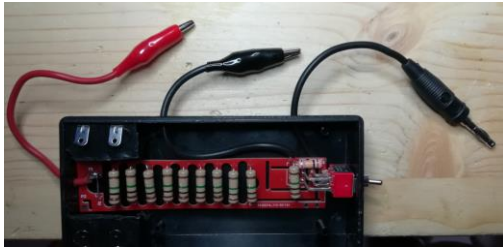
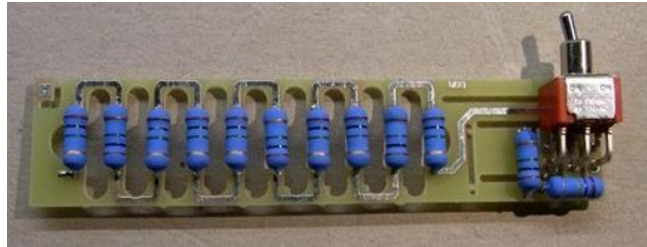


- Able to detect sense High Voltage up to 5000V
- High input impedance
- PCB with high insulation
- Configurable Attenuation range
- Compatible with common multimeters



HV Probe on plastic enclosure



HV Probe PCB

DESCRIPTION

The High Voltage Probe is a Resistor divider formed by High Value and High Voltage Resistor, designed for measuring high voltages, by creating attenuation with two possible range.



The Probe is not insulated, the measure terminals are in common ground with multimeter terminals

TECHNICAL DATA

PARAMETER	VALUE	UNIT
Max Voltage	5.000	V
Attenuation Range 1	1:10	
Attenuation Range 2	1:100	

PCB TECHNICAL DATA

PARAMETER	VALUE	UNIT
Dimensions Length x Width	114,5x24,5	mm
Colors	GREEN, RED	
PCB thickness (RED, YELLOW)	1.6	mm
Layers	2	
Surface finish	HASL	
Copper Weight	1	oz
Material Details	FR4-Standard Tg 130-140C	

BILL OF MATERIALS

- R1: Short circuit
- R2, R3, R4, R5, R6, R7, R8, R9, R10,R11: 1 Mega ohm 2W
- R12: 100 kohm 2W
- SW1: switch 3 way

ASSEMBLY INFORMATION

Place a short circuit on R1 reference as indicated in the following figure. Connect 3 wires:

- Red Wire (HV+ side) on P1 reference
- Black Wire (HV-side) on common point between resistor R11 and R12
- Black Wire (measure+ side) on central pin of S1 switch

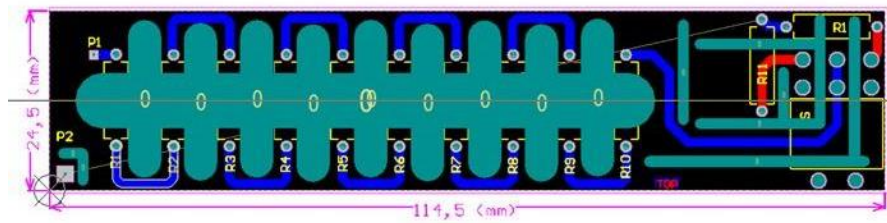


High Voltage Probe Assembly TOP



High Voltage Probe Assembly BOTTOM





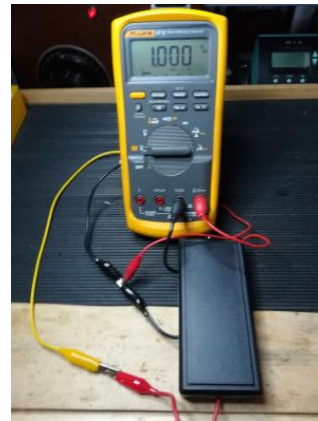
High Voltage Probe PCB



Mechanical enclosure drills for High Voltage Probe PCB

USER INFORMATION

1. Connect the multimeter across the + measure and – measure terminals and set It in Voltage reading
2. Select the attenuation 10, by setting the switch on the 1-2 position or attenuation 100, by setting the switch on the 2-3
3. Connect the HV Prove terminal and Measure - terminals on the voltage to be measured



ORDERING INFORMATION

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