DP-02VF

HIGH VOLTAGE DIFFERENTIAL PROBE

FEATURES:

- The DP-02VFdifferential voltage probe provides a safety means of measuring floating potentials for all models of oscilloscopes incomplete safety.
- It converts the differential voltage (≦±40VDC peak) into a low voltage (≦±2.0V) with reference to the earth for display on the oscilloscopes.
- The BNC output is designed to operate on an input with an impedance of 50Ω.
- DP-02VFis a design for high sensitivity module and high dynamic range. Attenuation x2, x20 is multiple of 2.Maximum voltage is 80Vp-p. It is a model designed for high frequency.

SPECIFICATIONS:

(1) Bandwidth: DC - to 150 MHz (-3 dB)

(2) Attenuation: x2, or x20

(3) Accuracy: ±2%

(4) Voltage Input Ranges (DC + AC peak to peak)**:**

≦8Vp-p for x2, (i.e about 2.8VRMS or ±4VDC)

≦80Vp-p for x20, (i.e about 28VRMS or ±40VDC)

(5) Permitted Max Input Voltage:

Max differential voltage: ±40V (DC + AC peak to peak)

Max voltage between each input terminal and ground: 28VRMS

(6) Input Impedance: 500 KΩ // 15 pF each side to ground

(7) Output: ≦±2.0 V

(8) Output Impedance: 50 Ω (for 50Ω input oscilloscope)

(9) Rise Time: 4 ns

(10) Rejection Rate on Common Mode:

60 Hz: ＞80 dB ; 100 Hz: ＞60 dB ; 1 MHz: ＞50 dB

(11) Power Supply: External 5 VDC power supply

(12) Consumption: 500 mA about (5VDC)