

DP-30HS HIGH SENSITIVITY DIFFERENTIAL PROBE

SPECIFICATIONS

(1) Bandwidth:

DC - to 30 MHz (-3 dB) for x 2, x 10

DC - to 15 MHz (for attenuation x 1)

(2) Attenuation: x 1, x 2, or x 10

(3) Accuracy: +/- 2%

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

\leq +/- 6.5 V for x 1, (i.e about 2.3 V RMS or DC)

\leq +/- 13 V for x 2, (i.e about 4.6 V RMS or DC)

\leq +/- 65 V for x 10, (i.e about 23 V RMS or DC)

(5) Permitted Max Input Voltage

Max differential voltage: 65 V (DC + AC peak to peak)

Max voltage between each input terminal and ground:
600 V RMS

(6) Input Impedance:

Differential: $2\text{ M}\Omega$ / 1.7 pF

Between terminals and ground: $1\text{ M}\Omega$ / 3.4 pF

(7) Output: \leq +/- 7.0 V

(8) Output Impedance: $50\ \Omega$

(9) Rise Time: 12 ns for x 2, and x 10; 24 ns for x 1

(10) Rejection Rate on Common Mode:

60 Hz: $> 80\text{ dB}$; 100 Hz: $> 60\text{ dB}$; 1 MHz: $> 50\text{ dB}$

(11) EXT. Power Supply:

External 9 V DC power supply.

(12) Consumption: 35 mA max (0.4 WATT)