

DP-35 HIGH VOLTAGE DIFFERENTIAL PROBE

SPECIFICATIONS:

(1) **Bandwidth:** DC - to 35 MHz

(2) **Attenuation:** x 10, or x 100

(3) **Accuracy:** $\pm 2\%$

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

≤ 160 Vp-p for x 10, (i.e about 56 V RMS or ± 80 V DC)

≤ 1600 Vp-p for x 100, (i.e about 560 V RMS or ± 800 V DC)

(5) **Permitted Max Input Voltage**

Max differential voltage: 1600V (DC + AC peak to peak)

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

(6) **Input Impedance:**

Differential: $8\text{ M}\Omega // 2.5\text{ pF}$

Between terminals and ground: $4\text{ M}\Omega // 5\text{ pF}$

(7) **Output:** $\leq \pm 8.0\text{ V}$

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

(9) **Rise Time:** 10 ns

(10) **Rejection Rate on Common Mode:**

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

(11) **Power Supply:**

External 5V DC power supply.

(12) **Consumption:** 300 mA about [5 V / 2 A DC(100~240V : ASW-01)]