

DP-35

HIGH VOLTAGE DIFFERENTIAL PROBE

SPECIFICATIONS:

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

(2) **Attenuation:** X10, or X100

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

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

$\cong 160$ Vp-p for X10, (i.e about 56 V RMS or ± 80 V DC)

$\cong 1600$ Vp-p for X100, (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:

280 V RMS or ± 400 V DC

(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:** $\cong \pm 8.0\text{ V}$

(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 5 V DC power supply.

(12) **Consumption:** 500 mA / 5 V DC