

DP-15K

HIGH VOLTAGE DIFFERENTIAL PROBE

SPECIFICATIONS:

(1) Bandwidth:

DC - to 75 MHz (-3 dB) for X100

DC - to 20 MHz (for attenuation X1000)

(2) Attenuation: X100, or X1000

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

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

≤ 1.5 KVp-p for X100, (i.e about 550 V RMS or ± 750 V DC)

≤ 15 KVp-p for X1000, (i.e about 5.5 KV RMS or ± 7.5 KV DC)

(5) Permitted Max Input Voltage

Max differential voltage: 15 KV (DC + AC peak to peak) or ± 7.5 KV DC

Max voltage between each input terminal and ground: 2.6 KV RMS or ± 3.7 KV DC

(6) Input Impedance:

Differential: $54.4 \text{ M}\Omega // 1.5 \text{ pF}$

Between terminals and ground: $27.2 \text{ M}\Omega // 3 \text{ pF}$

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

(8) Output Impedance: 50Ω

(9) Rise Time: 4.7 ns for X100; 17.5 ns for X1000

(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 DC 5 V / 2 A power supply.

(12) Consumption: 500 mA about 5 V DC)