

DP-30K

HIGH VOLTAGE DIFFERENTIAL PROBE

SPECIFICATIONS:

(1) Bandwidth:

DC - to 75 MHz (-3 dB) for X200

DC - to 20 MHz (for attenuation X2000)

(2) Attenuation: X200, or X2000

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

(4) Voltage Input Ranges:

$\leq \pm 1.5$ KV DC for X200, (i.e about 1 KV RMS)

$\leq \pm 15$ KV DC for X2000, (i.e about AC 10 KV / 60 Hz)

(5) Permitted Max Input Voltage

Max differential voltage: 30 KVp-p or ± 15 KV DC or 10 KV RMS / 60Hz

Max common mode voltage: 15 KVp-p or ± 7.5 KV DC or 5 KV RMS

Max voltage between each input terminal and ground: 5 KV RMS

⚠ Note: Max voltage input should not last more than one minute.

(6) Input Impedance:

Differential: $82\text{ M}\Omega // 1\text{ pF}$

Between terminals and ground: $41\text{ M}\Omega // 2\text{ pF}$

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

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

(9) Rise Time: 4.7 ns for X200; 17.5 ns for X2000

(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: 0.5 A / 5 V DC