

DP-60K

HIGH VOLTAGE DIFFERENTIAL PROBE

SPECIFICATIONS:

(1) Bandwidth:

DC - to 60 MHz (-3 dB) for X500

DC - to 20 MHz (for attenuation X5000)

(2) Attenuation: x 500, or X5000

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

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

≤ 30 KV DC for X5000, (i.e about 21 KVrms or 30 KV DC)

≤ 3 KV DC for X500, (i.e about 2.1 KVrms or 3 KV DC)

(5) Permitted Max Input Voltage

Max differential voltage: 60 KVp-p (DC+AC peak to peak)

Max voltage between each input terminal and ground: 10.6 KVrms

(6) Input Impedance:

Differential: $160\text{ M}\Omega // 3\text{ pF}$

Between terminals and ground: $320\text{ M}\Omega // 1.5\text{ pF}$

(7) Output: $\leq \pm 6\text{ V}$

(8) Output Impedance: $50\text{ }\Omega$

(9) Rise Time: 5.8 ns for X500; 17.5 ns for X5000

(10) Rejection Rate on Common Mode:

60 Hz: $> 60\text{ dB}$, 100 Hz: $> 50\text{ dB}$, 1 MHz: $> 40\text{ dB}$

(11) Power Supply:

9 VDC power supply (customized, only can use the one attached)

(12) Consumption: 120 mA max (1.1 WATT)

*****The banana plugs of the extension wires can only withstand 1 KV. Please ensure they are kept at a safe distance from each other (approximately 1 cm per 1 KV).*****