

DP-8V HIGH VOLTAGE DIFFERENTIAL PROBE

SPECIFICATIONS

- (1) Bandwidth:
DC to 50 MHz (-3 dB)
- (2) Attenuation: X10, X100, X1000
- (3) Accuracy: $\pm 2\%$
- (4) Voltage Input Ranges (DC + AC peak to peak)
 - ≤ 8 KV for X1000, (i.e about 2.8 KVrms or ± 4 KV DC)
 - ≤ 800 V for X100, (i.e about 280 Vrms or ± 400 V DC)
 - ≤ 80 V for X10, (i.e about 28 Vrms or ± 40 V DC)
- (5) Permitted Max Input Voltage
 - Max differential voltage: 8 KV (DC + AC peak to peak)
 - Max voltage between each input terminal and ground:
2 KV DC or 1.4 KVrms
- (6) Input Impedance:
 - Differential: 20 M Ω // 2 PF
 - Between terminals and ground: 10 M Ω // 4 PF
- (7) Output: $\leq \pm 4.0$ V
- (8) Output Impedance: 50 Ω
- (9) Rise Time: 7 ns
- (10) Rejection Rate on Common Mode:
 - 60 Hz: > 80 dB ; 100 Hz: > 60 dB ; 1 MHz: > 50 dB
- (11) Power Supply:
 - External 9 V DC power supply.
- (12) Consumption: 200 mA max (1.8 WATT)