

DP-16V HIGH VOLTAGE DIFFERENTIAL PROBE

SPECIFICATIONS

- (1) Bandwidth:
DC to 50 MHz (-3 dB)
- (2) Attenuation: X20, X200, X2000
- (3) Accuracy: $\pm 2\%$
- (4) Voltage Input Ranges (DC + AC peak to peak)
 - ≤ 16 KV for X2000, (i.e about 5.6 KVRms or ± 8 KV DC)
 - ≤ 1.6 KV for X200, (i.e about 560 VRms or ± 800 V DC)
 - ≤ 160 V for X20, (i.e about 56 VRms or ± 80 V DC)
- (5) Permitted Max Input Voltage
 - Max differential voltage: 16 KV (DC + AC peak to peak)
 - Max voltage between each input terminal and ground:
4 KV DC or 2.8 KVRms
- (6) Input Impedance:
 - Differential: $30\text{ M}\Omega // 1.5\text{ PF}$
 - Between terminals and ground: $15\text{ M}\Omega // 3\text{ PF}$
- (7) Output: $\leq \pm 4.0\text{ V}$
- (8) Output Impedance: $50\ \Omega$
- (9) Rise Time: 7 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 9 V DC power supply.
- (12) Consumption: 300 mA max (2.7 WATT)