

DP-40LV LOW VOLTAGE DIFFERENTIAL PROBE

SPECIFICATIONS

- (1) Bandwidth:
 - DC - to 40 MHz (-3 dB) for x 20, x 100
 - DC - to 20 MHz (for attenuation x 10)
- (2) Attenuation: x 10, x 20, or x 100
- (3) Accuracy: +/- 2%
- (4) Voltage Input Ranges (DC + AC peak to peak)
 - \leq +/- 65 V for x 10, (i.e about 23 V RMS or DC)
 - \leq +/- 130 V for x 20, (i.e about 46 V RMS or DC)
 - \leq +/- 650 V for x 100, (i.e about 230 V RMS or DC)
- (5) Permitted Max Input Voltage
 - Max differential voltage: 650 V (DC + AC peak to peak)
 - Max voltage between each input terminal and ground:
600 V RMS
- (6) Input Impedance:
 - Differential: $2\text{ M}\Omega / 1.7\text{ pF}$
 - Between terminals and ground: $1\text{ M}\Omega / 3.4\text{ pF}$
- (7) Output: \leq +/- 7.0 V
- (8) Output Impedance: $50\ \Omega$
- (9) Rise Time: 9 ns for x 20, and x 100; 18 ns for x 10
- (10) Rejection Rate on Common Mode:
 - 60 Hz: $> 82\text{ dB}$; 100 Hz: $> 62\text{ dB}$; 1 MHz: $> 52\text{ dB}$
- (11) EXT. Power Supply:
 - External 9 V DC power supply.
- (12) Consumption: 35 mA max (0.4 WATT)