

# DP-16K/DP-16KM/DP-16KL

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## HIGH VOLTAGE DIFFERENTIAL PROBE

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### SPECIFICATIONS:

**(1) Bandwidth:**

DC - to 100 MHz (-3 dB) (DP-16K)

DC - to 50 MHz (-3 dB) (DP-16KM)

DC - to 30 MHz (-3 dB) (DP-16KL)

**(2) Attenuation:** X100, or X1000

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

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

$\leq 1.6$  KVp-p for X100, (i.e about 565 Vrms or  $\pm 800$  VDC)

$\leq 16$  KVp-p for X1000, (i.e about 5650 Vrms or  $\pm 8$  KVDC)

**(5) Permitted Max Input Voltage**

Max differential voltage: 16 KV (DC + AC peak to peak)

Max voltage between each input terminal and ground: 2.8 KVRms

**(6) Input Impedance:**

10 M $\Omega$  // 10 pF each side to ground

**(7) Output:**  $\leq \pm 8.0$  V

**(8) Output Impedance:** 50  $\Omega$  (for 1 M $\Omega$  input oscilloscope)

**(9) Rise Time:** 3.5 ns (5 ns / KM) (7 ns / KL)

**(10) Rejection Rate on Common Mode:**

60 Hz:  $> 80$  dB ; 100 Hz:  $> 60$  dB ; 1 MHz:  $> 50$  dB

**(11) Power Supply:**

External 5 V / 2 A DC power supply

**(12) Consumption:** 500 mA about (5 V DC)