

Differentialastkopf SDP 9105



Bandwidth	DC to 100MHz (-3dB)
Attenuation	1:10/100
Accuracy	+/- 2%
Rise Time	3.5ns
Input Impedance	4M Ω //7pF each side to ground
Input Voltage	
-Differential Range*	+/-70V (DC + Peak AC) or 70Vrms @1/10 +/-700V (DC + Peak AC) or 500Vrms @1/100
-Common Mode Range*	+/-700V (DC + Peak AC) or 500Vrms @1/10 & 1/100
-Absolute Max. Voltage* (Differential or Common Mode)	1000Vrms CAT III @ 1/10 & 1/100
Output Voltage	
-Swing (into 50 Ω load)	+/-7V
-Offset (typical)	<+/-5mV
-Noise (typical)	0.9mVrms
-Source Impedance (typical)	50 Ω
CMRR (typical)	-80dB@50Hz; -55dB@1MHz
Ambient Operating Temperature	-10 to 40 degree centigrade
Ambient Storage Temperature	-30 to 70 degree centigrade
Ambient Operating Humidity	25 to 85% RH
Ambient Storage Humidity	25 to 85% RH
Power Requirements	
-Standard	4xAA cells or 6VDC/200mA mains adaptor** or regulated 9VDC/120mA mains adaptor
-Options	Power leads
Length of Input Leads	30cm
Length of BNC Cable	90cm
Weight	500gms
Dimension (LxWxH)	202mm x 83mm x 38mm

* Voltage limit is the lesser of the DC+Peak AC and RMS values..

**a. The supplied voltage must be less than 12V and greater than 4.4V, otherwise the probe could be damaged or can't be operated properly.

b. Polarity is "+" inside and "-" outside. For wrong polarity, built-in circuit protects the probe, no danger or damage will occur.

c. When the voltage of the cells become too low, the power indicator on the panel will flicker.

Application : Switching Power Supply Design, Measuring Drive Circuits of Power Semiconductor Device, Current Shunt Measurement, Power Converter Measurement