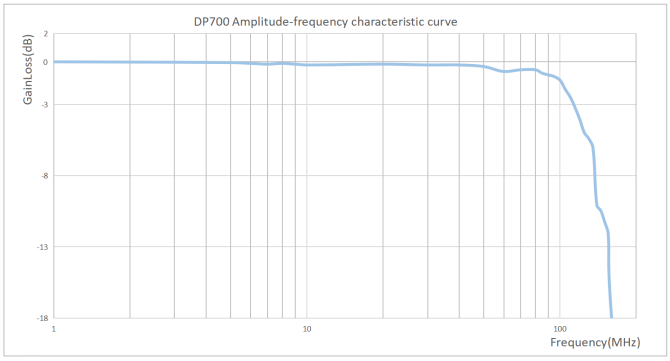
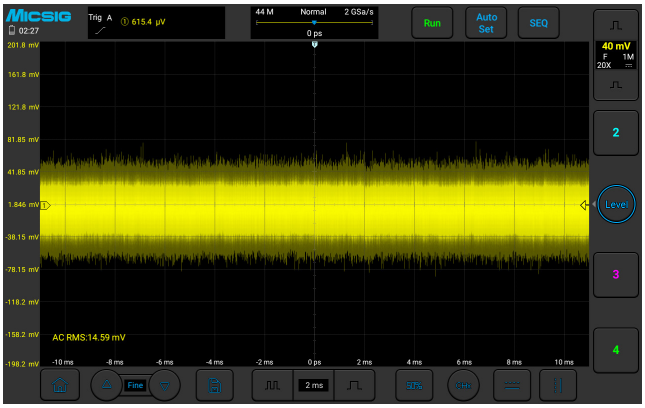
Excellent Amplitude Frequency Characteristics

DP series features excellent bandwidth flatness. Within 100 MHz bandwidth, the gain/loss variation is small. It maintains the accuracy of signal test even in high-frequency bandwidth.





Lower Noise Floor

The extremely low noise floor enhances the sensitivity of measurement and can accurately measure small signal changes.

Specifications

Model	DP700	DP1500	DP3000	DP7000
Bandwidth	100MHz			
Max. input differential voltage (DC+AC PK)	70V (20X) 700V (200X)	150V (50X) 1500V (500X)	300V (100X) 3000V (1000X)	700V (100X) 7000V (1000X)
Rise time	≤ 3.5ns	≤ 3.5ns	≤ 3.5ns	≤ 3.5ns
Noise	Full bandwidth: 20X: ≤ 20mVrms 200X: ≤ 90mVrms	Full bandwidth: 50X: ≤ 50mVrms 500X: ≤ 200mVrms	Full bandwidth: 100X: ≤ 100mVrms 1000X: ≤ 500mVrms	Full bandwidth: 100X: ≤ 200mVrms 1000X: ≤ 600mVrms
CMRR	DC : >80dB 100kHz: >60dB 10MHz: >30dB 100MHz: >26dB	DC : >80dB 100kHz: >60dB 10MHz: >30dB 100MHz: >26dB	DC : >80dB 100kHz: >60dB 10MHz: >30dB 100MHz: >26dB	DC : >80dB 100kHz: >60dB 10MHz: >30dB 100MHz: >26dB
Delay time	6.5ns (20X) 3.5ns (200X)	6.2ns (50X) 2.9ns (500X)	3.7ns (100X) 3.2ns (1000X)	4.2ns(100X) 4.1ns(1000X)
Input impedance	6MΩ/1.67pF (differential) 3MΩ/3.3pF (each input to ground)	13.2MΩ/1.67pF (differential) 6.6MΩ/3.3pF (each input to ground)	30MΩ/0.78pF (differential) 15MΩ/1.57pF (each input to ground)	120MΩ/0.78pF (differential) 60MΩ/1.57pF (each input to ground)
Output impedance	1 MΩ			