

DS2-FGN

5MHz Function Generator Option for GDS-2000A series



The plug-in module of DDS (Direct Digital Synthesis) based function generator is provided as an option of the GDS-2000A series. The function generator, with 5MHz bandwidth, is able to generate Sine, Triangle and Square waveforms, with variable duty cycle of the square waveform. Two function generators can be used at the same time to provide dual output signals. With the stimulus source, the verification of electrical characteristics and functionality of the DUT (Device Under Test) can be done in one DSO.

SPECIFICATIONS	
Waveforms	Sine, Square, Triangle
Frequency Range	0.1Hz ~ 5MHz for Sine 0.1Hz ~ 1MHz for Square 0.1Hz ~ 100KHz for Triangle
Frequency Stability	+/- 50ppm
Frequency Accuracy	+/- 50ppm (+/- 0.25Hz)
Aging	+/- 5ppm/Year
Amplitude Range	60mVpp ~ 6Vpp (into 1M ohm) 30mVpp ~ 3Vpp (into 50 ohm)
Amplitude Accuracy	+/- 10%
DC Offset	+/-2V (into 1M ohm) +/-1V (into 50 ohm)
Duty Control Range	20%~80% (Square wave only)