DC/AC ELECTRICAL CHARACTERIZATION FACILITY (Pulse Generator)

MODEL: HP 8110A 150 MHz pulse generator

INSTALLATION PLACE: DC Electrical Characterization Laboratory (room No14 new-building), Department of Microelectronics

DESCRIPTION:
The HP 81110A generate all the standard pulses and digital patterns needed to test current logic technologies (CMOS, TTL, LVDS, ECL, etc.). With the optional second channel, multi-level and multi-timing signals up to 60 MHz can be obtained using the internal channel addition feature.

SPECIFICATIONS

1. Signal type: Single or dual channel pulse pattern generator
2. Data Capabilities: 150 Mb/s, RZ/NRZ, 4 kb data with variable pulse parameters
3. BNC outputs
4. Timing Characteristics:
   - Frequency range: 1 mHz to 150 MHz
   - Timing resolution 3 digits, 10 ps best case
   - Period range: 6.65 ns to 999 ms
   - Width range: 3.30 ns to (period – 3.3 ns), maximum 999 ms
   - Double pulse delay range: (width + 1.5 ns) to (period - width - 1.5 ns)
   - Transition time range (10/90): 2.00 ns to 200 ms variable
   - Accuracy: ± 5% ± 250 ps
   - Pulse height: ± 10 Volts

APPLICATIONS

1. Real World Pulses
2. Pattern Based Timing
3. Clean pulses
4. Application in Pulsed measurements
5. Memory testing

CERTIFICATION/ACCREDITATION
The facility is not certified or accredited.

CONTACT: services@imel.demokritos.gr