

## HL9101 Triggerable Impulse Generator (100 ps)

The HL9101 triggerable impulse generator module generates a short positive going output pulse for every positive going transition of the input signal.

Each pulse has a wide spectrum in the frequency domain extending into the Ultra Wide Band (UWB) communication region (2-5 GHz).

### Features and Technical Specifications

Rise Time	100 ps, typical
Fall Time	100 ps, typical
Pulse Width	200 ps, typical
Output Amplitude	2 V min. into 50 Ω load
Triggering Rate	10 Hz to 50 MHz
Trigger Input	0 to +5 V Schmitt Trigger at +2 V 1 kOhm / 20 pF
Jitter	3 ps RMS max. at input slew rate > 10 mV/ps
Connectors	Input: 1 x BNC jack Output: 1 x SMA jack
Power Supply	Min. +7 V DC, Max. 200 mA from +9 V Adapter (center pin positive)
Temperature	0° to 40° C, operating -10° to +50° C, storage
Dimensions	5.8" x 2.44" x 1.48" 147.3 x 61.9 x 37.6 mm
Weight	7.05 oz, 200 g



Figure 1: HL9101 Triggerable Impulse Generator (100 ps)

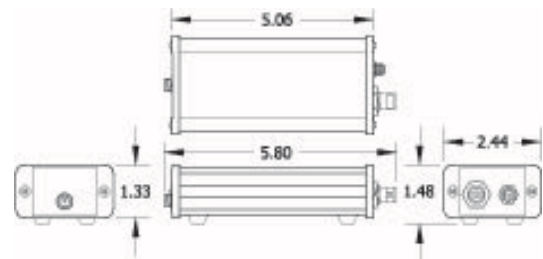


Figure 2: HL9101 dimensional drawing

### Deployment Notes

This product is a direct replacement for our discontinued HL9100 Triggerable Impulse Generator, and is suitable for all of the same applications.