

SP5601

LED Driver



Features



Description

- Pulse width: 8 ns
- The CAEN Mod. SP5601 is an **ultra-fast LED Driver** with pulse width at ns level, tunable intensity and frequency that operates from 400 nm to 500 nm for the detector characterization. It represents the ideal tool for SiPM tests and characterization, through a triggered light burst of intensity down to a few photons and up to a number saturating the sensors.
- Optical output connectors: FC
- The SP5601 features tuneable intensity and repetition rate: the LED driver can be triggered either via the internal pulse generator, or via an external source; the optical signal is routed to the sensor through a fibre, FC interfaced.
- Dimension: 79 x 42 x 102 mm³ (WxHxD)

Technical Specifications

Dimensions

Width 79mm, height 42mm, depth 102mm

Weight

450 g

Power requirements

140 mA@+12V (12V DC External Power Supply)

Width of pulse

8 ns typical @ full amplitude

Trigger Input

TTL, High input impedance; 500 Hz ÷ 5 MHz input frequency

Trigger Output

TTL, drives 50 Ω ; width: \sim 110ns; rise/fall time: $<$ 2ns

Output frequency

From 500 Hz to 5 MHz

Ordering Options

Code	Description
WSP5601XAAA	SP5601 - Led Driver for SIPM development kit RoHS

Related Products

DT5810



Fast Digital Detector Emulator

SP5605



Ultra Violet LED Driver

DT5800



Desktop Digital Detector Emulator

N1081B



NIM Four-Fold Programmable Logic Unit

DT4700



Clock Generator and FAN-OUT

NDT6800



NIM/Desktop Digital Detector Emulator

Gallery



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