SP5601

LED Driver

The CAEN **Mod.SP5601** is an **ultra-fast LED Driver** with pulse width at ns level, tunable intensity and frequency, that provides a low-cost tool 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.
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.

Product Highlights

- Pulse width: 8 ns
- LED color: violet (400 nm) 1500 mcd
- Pulse generator: internal/external
- Optical output connectors: FC
- Optical fiber included
- Dimension: 79 x 42 x 102 mm^3 (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: ~110ns; rise/fall time: <2ns
Output frequency	From 500 Hz to 5 MHz

Ordering Information

ORDERING CODE	DESCRIPTION
WSP5601XAAAA	SP5601 – Led Driver for SIPM development kit

Related Products

DT4700 — Clock Generator and FAN-OUT

DT5810 — Fast Digital Detector Emulator

SP5605 — Ultra Violet LED Driver

DT5800 — Desktop Digital Detector Emulator

N1081B — NIM Four-Fold Programmable Logic Unit

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