



SYDOR 8 GHz Comb Generator

Sydor Instruments' compact, VCSEL optical comb generator delivers 60 ps pulses up to 8 GHz for the most demanding applications. It is ideal for accurate, time base calibration of electro-optic instrumentation, sensors, detectors, and streak cameras.

SYDOR COMB PULSE GENERATOR:

KEY PERFORMANCE PARAMETERS

Fast Frequency	7.90 GHz
Slow Frequency	1.98 GHz
Mode	Continuous or Gated 200ns (100ns to 1000ns available)
Laser Output	1 mW
Pulse width	~60ps FWHM
Wavelength	665 nm, 780 nm
Trigger	TTL +5V
Input Voltage	+24VDC
Frequency Stability	1 ppm
Jitter	2 picoseconds

LASER INPUT PIN DIODE (slow frequency only)

PIN Diode	30ps response time
Amplifier	24 dB (typ), 10 to 2700 MHz

PHYSICAL DATA

Dimensions	7.5"W x 4"H x 12.75"L
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INTERFACE CONNECTORS

Trigger	BNC
External reference IN	BNC
76 MHz reference OUT	BNC
RF Pulse Monitor	SMA
Laser Output	100/140 μ m SC/PC
Laser Input	100/140 μ m SC/PC
Input Power	110-240V ~1.5A 50-60Hz

Specifications subject to change at any time