



SYDOR 2 GHz Comb Generator

Sydor Instruments' compact, VCSEL optical comb generator delivers 2 GHz visible pulses for the most demanding applications. It is ideal for accurate, time base calibration of electro-optic instrumentation, sensors, detectors, and streak cameras.

PERFORMANCE PARAMETERS	SYDOR COMB PULSE GENERATOR
Dual Frequency	Standard 1.976 GHz, and 493.986 MHz, other frequencies available.
Mode	Continuous or Gated 200ns (100ns to 1000ns available)
Laser Output	1 mW
Pulse width	~60ps @ 1.976 GHz, FWHM ~360ps @ 493.986 MHz, FWHM
Wavelength	665 nm
Trigger	TTL +5V
Input Voltage	+24VDC
Frequency Stability	1 ppm
Jitter	2 picoseconds
LASER INPUT PIN DIODE	
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
INTERFACE CONNECTORS	
Trigger	BNC
External reference IN (76 MHz)	BNC
76 MHz reference OUT	BNC
RF Pulse Monitor	SMA
Laser Output	50/125 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