

CSI/Model V-126
Modulated VCSEL Source

Product Specifications

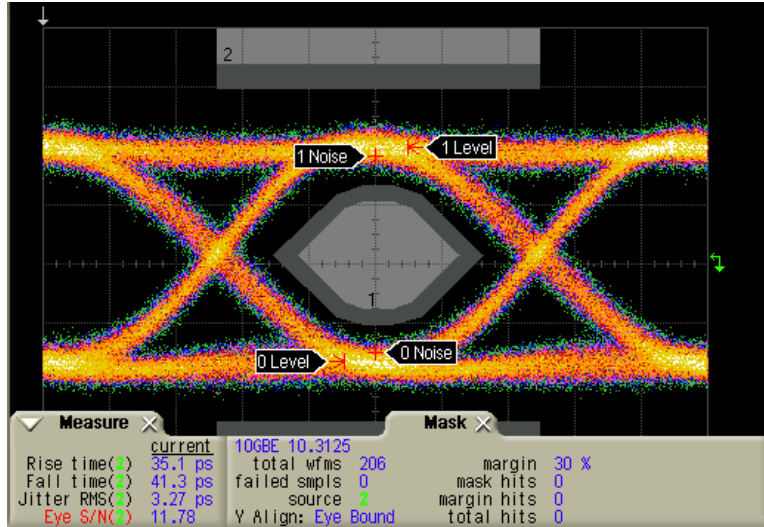
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Input Connector: SMA, 50Ω
Output Connector: FC/PC
Output Fiber: 50-μm multimode
Wall Plug Unit: 120V AC adapter (or universal voltage option)

	Min	Nominal	Max
Wavelength (nm)	840	850	860
Bit Rate (Gbps)	0.001		12.5
Output Power (mW)	0.7	1.0	1.2
Rise / Fall Time (ps)		28/43	
RMS jitter (ps)			3.5
Modulating Amplitude (mV)	300	400	600
Extinction Ratio		4.5	6

CSI model V-126 is a self-contained VCSEL source optimized for high-speed modulation up to 10 Gbps. The unit is intended to be modulated by a pattern generator for testing the performance of optoelectronic components such as photodetectors and receivers. V-126 is powered by a wall plug unit. Data input is through an SMA connector, and the optical port is an FC multimode connector. There is a control knob for choosing the optimum bias point of the VCSEL.

California Scientific manufactures high-speed optoelectronic test equipment for the fiber optic community.



Typical loop eye diagram of V-126 VCSEL Source and P-101 Receiver



V-126 Enclosure Dimensions are: 1.1" X 1.5" X 2.5"