

CSI/Model D-150
Externally Modulated DFB Source

Product Specifications

October 2008

Input Connector: SMA
Output Connector: FC/PC
Output Fiber: 9- μ m singlemode
Wall Plug Unit: 110V AC Adapter

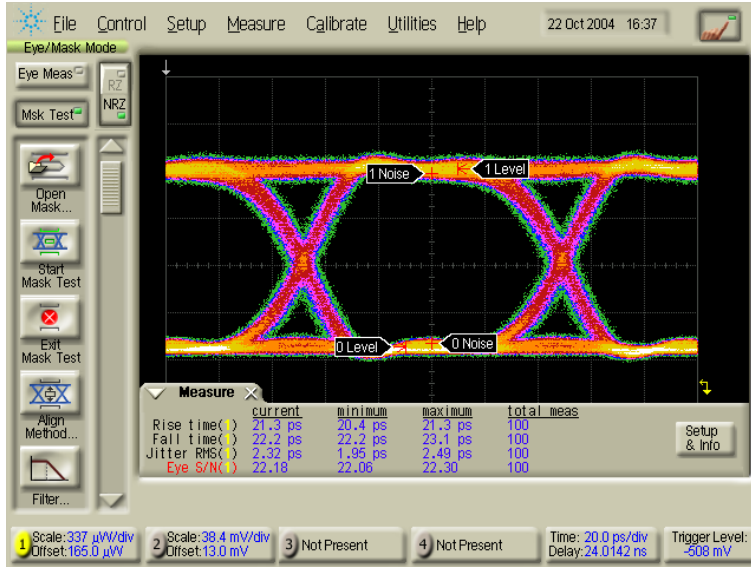
	Min	Nominal	Max
Wavelength (nm)	1540	1550	1560
Line Width (nm RMS)		0.04	
SMSR (dB)	30		
Data Rate (Gbps)	0.001	10	12.5
Output Power (dBm)	-1	+3	+4
RF Drive Voltage (V p-p)	0.4		1.0
Input Return Loss (dB)		10	3.5
Extinction Ratio (dB)		10	

CSI model D-150 is a self-contained DFB laser integrated with an EA modulator (EML) and packaged with a modulator driver optimized for high data rate modulation up to 12.5 Gbps. The unit is easily modulated by a pattern generator for testing the performance of optoelectronic components such as photodetectors and receivers. D-150 is powered by a wall plug unit (included). Data input is through a 50-ohm SMA connector, and the optical port is an FC single mode connector. There are three potentiometers for adjusting eye amplitude, crossing and extinction ratio.

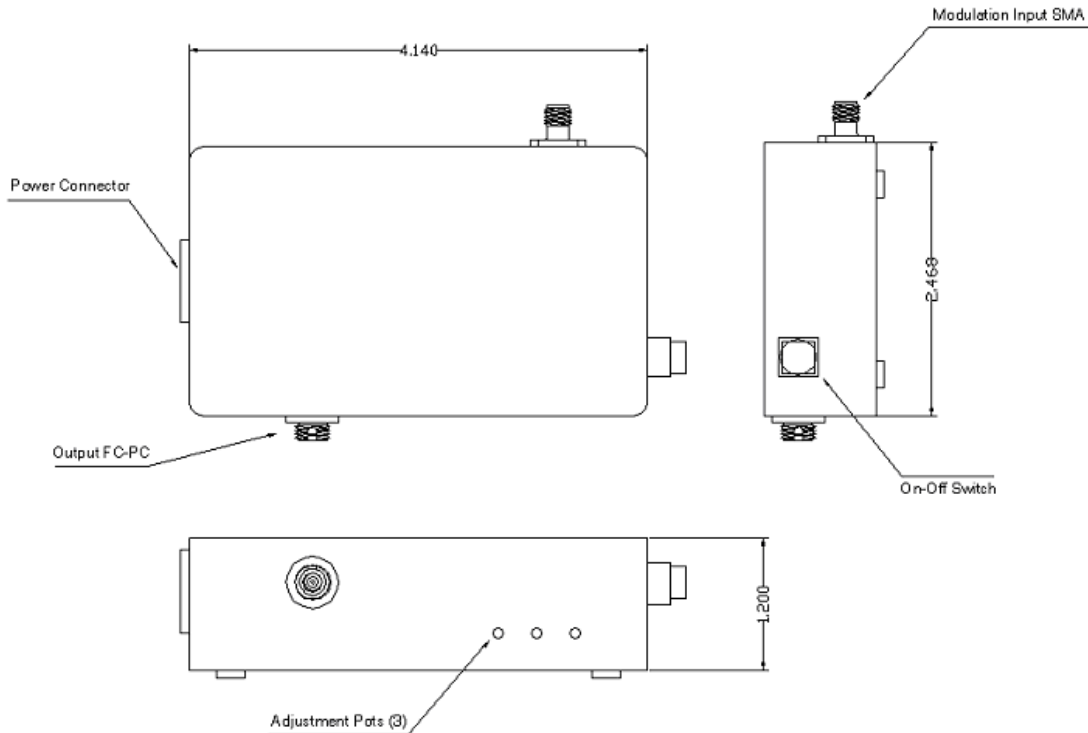
California Scientific manufactures high-speed optoelectronic test equipment for the fiber optic community.

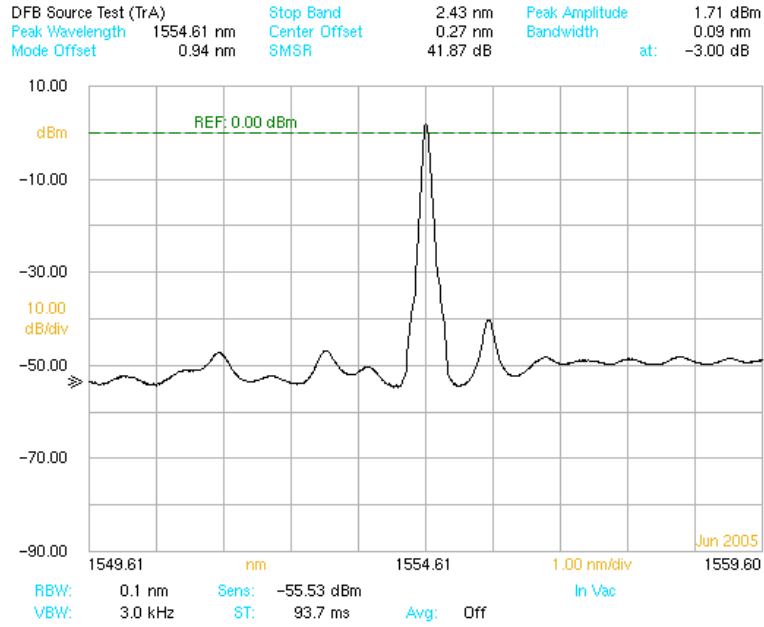


CSI California Scientific, Inc.



Typical 10Gbps unfiltered eye diagram of D-150 (20ps/div)





Typical D-150 Output Spectrum.