

Key Features

- Sharp Rise & Fall Time
- Wide Tunable Pulse width Range of up to 1ns

Applications

- Electrical Pulse Generation
- Optical Pulse Picking & Carving
- Laser Gain Switching



Category	Parameters	Specification			
		Min	Typ	Max	Unit
Input Parameters	Clock Shape	Sine or Square			
	Input Clock Level	300		550	mVpp
	Frequency Repetition Rate	0.05		150	MHz
Output Parameters	Electrical Coupling	AC			
	Pulse Width Tuning Range (FWHM) ^(1,2)	50		1000	ps
	Rise/Fall Time (20~80%) (Typ.)	15		40	ps
	Additive Timing Jitter		< 500		fs
	Output Amplitude (Single Ended) ⁽³⁾	350	500		mVpp
	Input/Output Impedance		50		Ohm
	Input/Output Connector	Advanced SMA			
	Power Supply	AC 100~240 (50/60 Hz)			Vac
Recommended Operating Conditions	Operating Temperature	+0 ~ +45			°C
	Storage Temperature	0 to +60			°C
Physical	Dimension (WxHxD)	140 x 65 x 240			mm
	Weight	3			kg

Note:

(1) The chosen pulse width will determine the maximum repetition rate. The maximum settable pulse width is 50-1000 ps from 0.05-125 MHz (i.e., it can be tuned from 50 ps to >1000 ps). For the maximum rate of 150 MHz, the maximum settable pulse width is ~950 ps.

(2) The pulse width specified here refers to positive pulse. For negative pulse, the pulse width value may be different by 5%.

(3) Higher output amplitude up to >5 Vpp is available.

Order Instruction

Model LPP-200-X
X: P --> Positive Output, N --> Negative Output

