

Key Features

- Sharp Rise & Fall Time
- Stable Pulse & Low Jitter

Applications

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



| Category | Parameters | Specification | | Unit |
|----------------------------------|--|-----------------|-------------|------|
| | | PW = 30 ps | PW > 50 ps | |
| Type | | | | |
| Input Parameters | Clock Shape | Sine or Square | | |
| | Input Clock Level | 300 ~ 500 | | mVpp |
| | Frequency Repetition Rate ⁽¹⁾ | Single Shot ~ 5 | | GHz |
| Output Parameters | Electrical Coupling | AC | | |
| | Pulse Width (FWHM) (Standard) | 30 | 50, 75, 100 | ps |
| | Other Pulse Width (FWHM) ⁽²⁾ (Custom) | | 51 ~ 200 | ps |
| | Rise/Fall Time (20~80%) (Typ.) | 15 | 17 | ps |
| | Additive Timing Jitter | < 500 | | fs |
| | Output Amplitude (Single Ended) ⁽³⁾ | >250 | > 500 | mVpp |
| | Output Amplitude (Differential) | > 500 | > 1000 | mVpp |
| | Electrical Connector | SMA | | |
| | Input/Output Impedance | 50 | | Ohm |
| Physical | Power Supply | DC 3.3V, 2A | | |
| | Dimension (WxHxD) | 70 x 35 x 75 | | mm |
| Recommended Operating Conditions | Operating Temperature | +20 ~ +40 | | °C |
| | Storage Temperature | 0 to +60 | | °C |

Note:

- (1) The chosen pulsewidth will be fixed at factory. The chosen pulsewidth will determine the maximum repetition rate.
- (2) End user can specify any fixed pulsewidth within 50~200ps as customize unit. The unit dimension will be slightly larger.
- (3) When using the unit in single ended mode, please terminate the unused port with a 50 Ohm terminator.

Order Instruction

Model **LPP-100-WWW**
 WWW: Pulse Width, Example: 050 = 50ps Pulse Width

