

High Current Pulse Generator

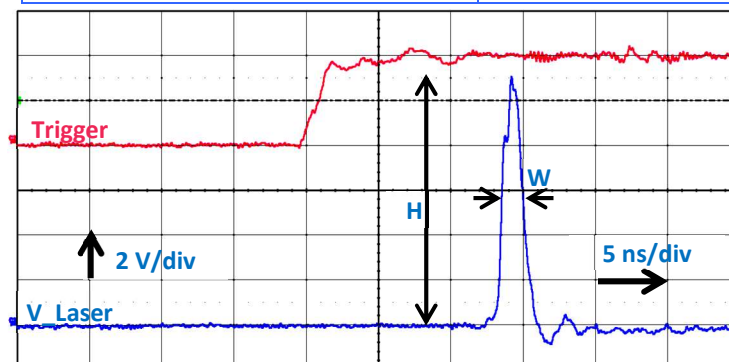
CPG-100B-1000-P

- Available as 50 Ω Nanosecond-Pulse Amplifier or >100A Current Pulse Laser Driver
- High Power Efficiency, tunable Pulse (W, H) for applications like LIDAR, Laser Materials Processing, Pump Lasers, Initiator firing, phased array radar or laser targeting



Specifications

Category	Parameter	Specification	Unit
Product Information	Model	CPG-100B-1000-P-X-X	
	Repetition Rate	Single Shot to ~ 400	kHz
	Idle Power while waiting for Trigger	< 50	mW
Generator	Timing Resolution	Transparent timing according to Input Trigger Signal	
	Accuracy	Depends on Input Trigger Signal	
	Additive Jitter	< 5	ps
	Burst Mode	Output follows Input Trigger Signal	
	Output Pulse Modes	Single Shot / Burst / Periodic	
	Trigger	External 50 Ohm Input	
	Output	Pulsewidth, W, fixed	Typ. 1 ~ 5
Pulsewidth Tunability		Upon Request	
Output Voltage H (50 Ω Amplifier Version)		> (V_Supply - 4V)	
Pulse Current@L_parasitic=300 pH, t_FWHM = 3 ns		100A (V_supply = 30V) 150A (V_supply = 40V) 350 A (V_supply = 100V) ⁽¹⁾	
Pulse Current@L_parasitic=300 pH, t_FWHM = 5 ns		160A (V_supply = 30V) 250A (V_supply = 40V) 500A (tbd., V_supply = 100V) ⁽¹⁾	
Current slew rate		3,33	A/ns/V
Output Impedance (High Current Driver Version)		10 ~ 100	mOhm
Output Coupling		AC Coupling	
RF Connector		Advanced SMA	
Power Supply		DC +15V, 2A	
Dimension (W x H x D)	75 x 45 x 115	mm	
Weight	< 1	kg	



Voltage Output Example

Ordering Information*:

CPG-100B-1000-P-N-N

Note: Please inquire for more details in advance for international orders or shipments.

Catalogue number: CT005_CPG-100B-1000-P-N-N