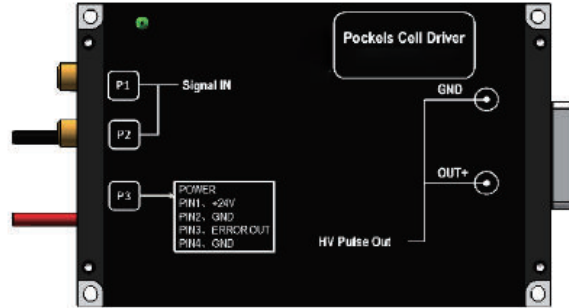
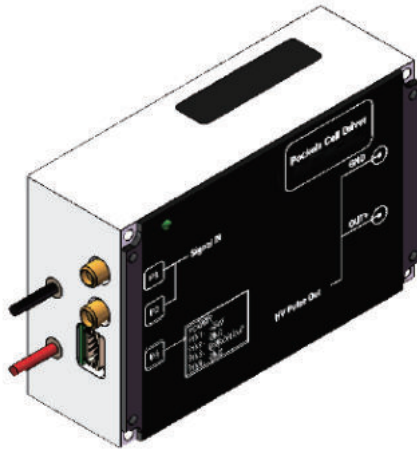


CL-PCDH Series Pressurized Step-down Crystal Driver

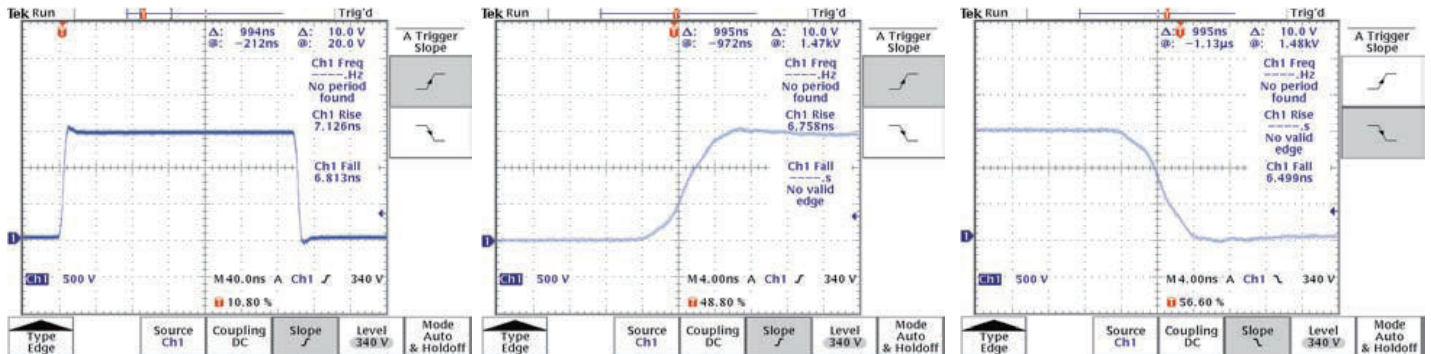


PARAMETERS

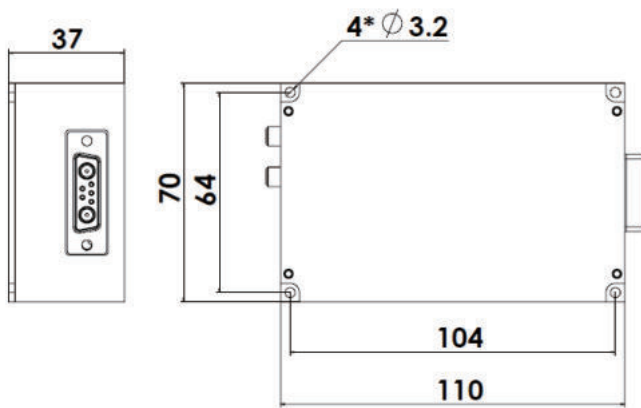
Series	CL-PCDH series			CL-PCDH-S series		
Model	CL-PCDH-250-3.6	CL-PCDH-500-2.6	CL-PCDH-500-1.8	CL-PCDH-S-250-3.6	CL-PCDH-S-500-2.6	CL-PCDH-S-500-1.8
High voltage maximum rated Voltage	3.8 kV	2.8 kV	2.0 kV	3.8 kV	2.8 kV	2.0 kV
High voltage maximum working voltage	3.6 kV	2.6 kV	1.8 kV	3.6 kV	2.6 kV	1.8 kV
High voltage maximum repetition rate	250 kHz	500kHz	500kHz	250 kHz	500kHz	500kHz
Pulse duration	100–5000 ns			15–1250 ns		
High voltage pulse rise time	<7 ns	<6.5 ns	<6ns	<7 ns	<6.5 ns	<6ns
High voltage pulse fall time	<7 ns	<6.5 ns	<6 ns	<7 ns	<6.5 ns	<6ns
External trigger signal amplitude	3.5–5 V (50 Ω load)			3.5–5 V (50 Ω load)		
External signal input interface	SMA			SMA		
High voltage output interface	7w2			7w2		
Indicator light	Power indication			Power indication		
Cooling method	Forced air cooling or water cooling (Water cooling plate accessories available)			Forced air cooling or water cooling (Water cooling plate accessories available)		
Volume	110*70*37 mm (L*W*H)			110*70*37 mm (L*W*H)		
High voltage power	<75 W OEM-HV-80	<120W OEM-HV-120	<120W OEM-HV-120	<75 W OEM-HV-80	<120W OEM-HV-120	<120W OEM-HV-120
Power supply	24V			24V		



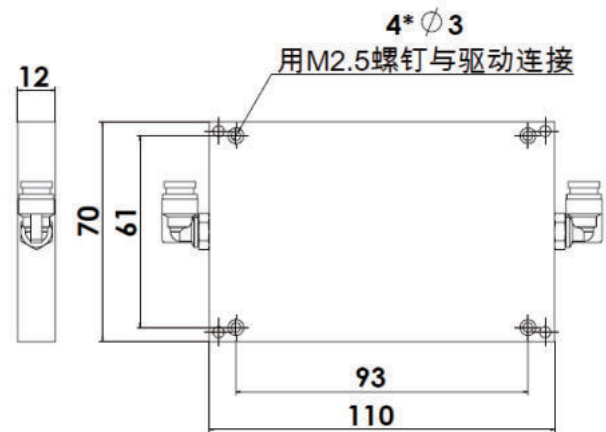
CL-PCDH Series Pressurized Step-down Crystal Driver



SIZE DIAGRAM (mm)

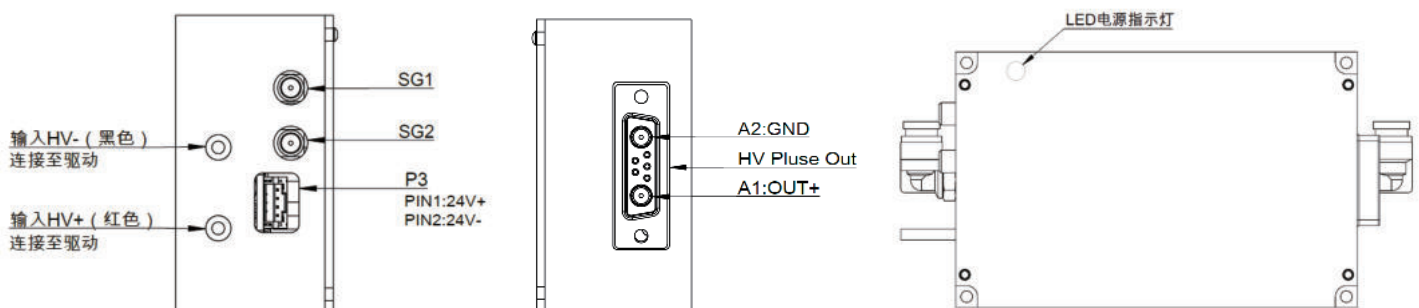


CL-PCDH series drive size diagram



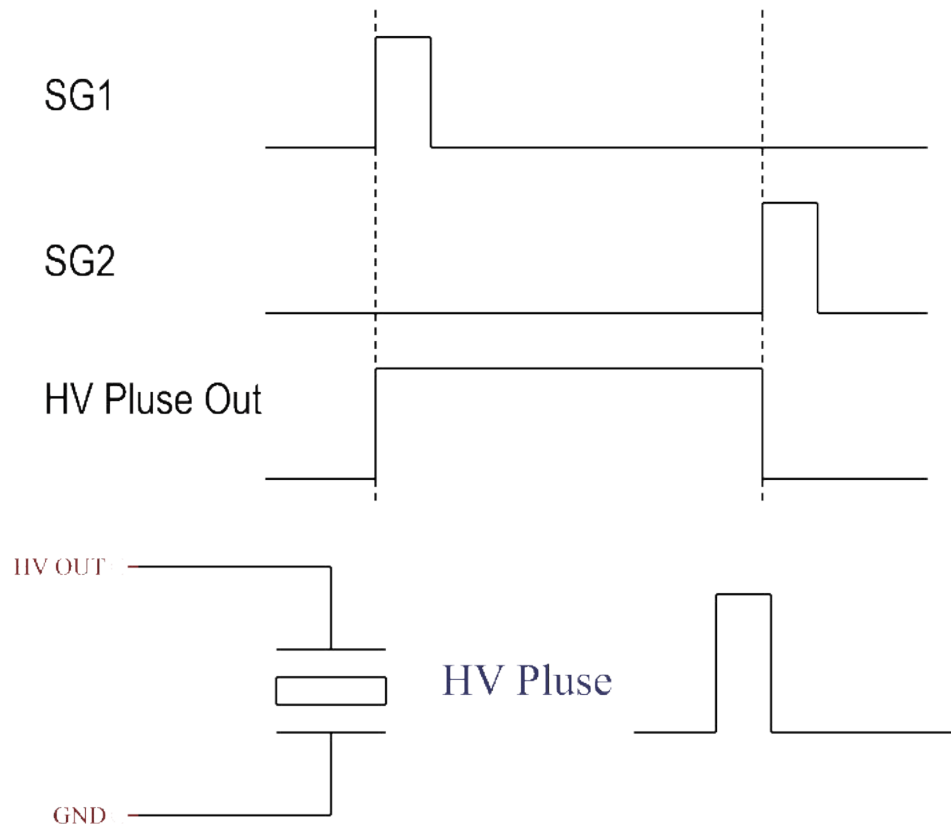
Water cooling plate size diagram

ELECTRICAL CONNECTION DIAGRAM (mm)



CL-PCDH Series Pressurized Step-down Crystal Driver

SIGNAL CONTROL DIAGRAM



Note:

The "HVPLUSEOUT" output signal cannot be measured directly, only in a coupled manner.

It is forbidden to measure the drive output directly with a high-voltage probe, as direct measurement will result in direct damage to the drive.

SG1 and SG2 are 3.5V~5V signals with 50Ω load impedance. (Modulate the signal output impedance of the signal generator by 50Ω output).

SG1, SG2 must first add SG1 and then SG2 when adding signals, and the off signal must be SG2 first Turn off SG1 again.

