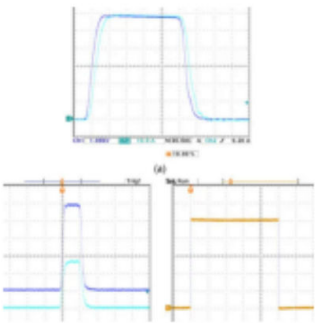


HV Driver Specifications  
高压驱动器产品规格书  
HD0015-024040-0050CS



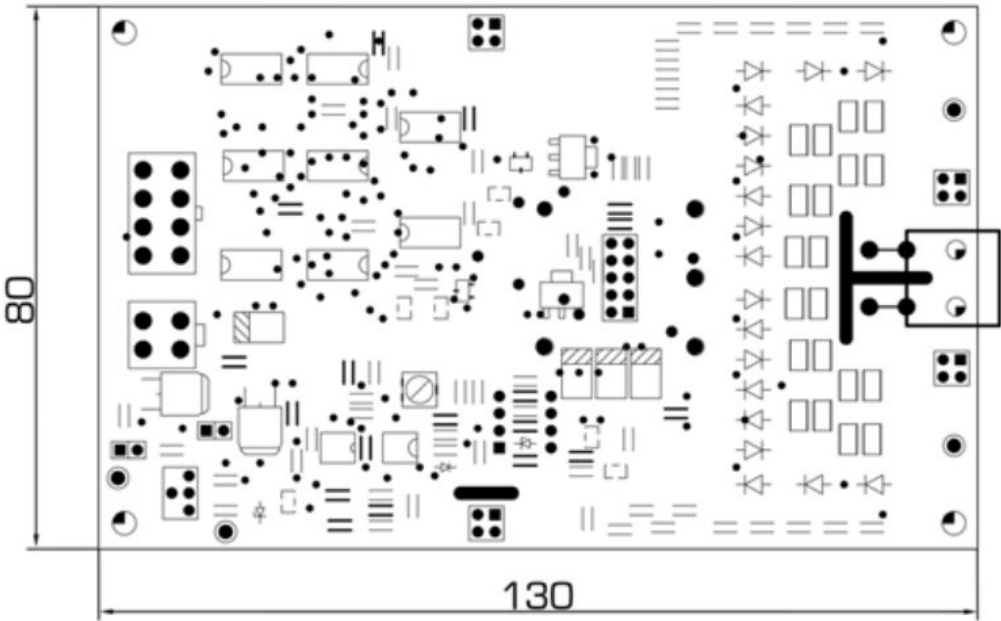
1. SPECIFICATIONS (规格)

|                                   |                          |
|-----------------------------------|--------------------------|
| Output amplitude (输出幅值)           | 4000V(±2000V)            |
| High voltage overshoot (高压过冲)     | <10%                     |
| Output pulse width (输出脉冲宽度)       | 200ns-DC                 |
| Repetition rate accuracy (重复频率精度) | 100Hz                    |
| Max. repetition rate (最大重复频率)     | 50kHz                    |
| Trigger delay (触发延迟)              | 1μs                      |
| Pulse jitter (脉冲抖动)               | <10ns                    |
| Rise/Fall time (上升/下降时间)          | ≤20ns                    |
| Output pulse waveform (输出脉冲波形)    | Square (方波)              |
| Load capacitance (负载电容)           | ≤20pF                    |
| Power (供电)                        | 24V DC                   |
| Connector (接口)                    | Pin                      |
| Control mode (控制方式)               | TTL                      |
| Cooling (散热方式)                    | Conduction-cooled (传导冷却) |
| Operation temperature (工作温度)      | 0°C~60°C                 |
| Storage humidity (存放湿度)           | <80%RH                   |

2.ORDERING CODES (编码规则)

|        | Power |     | Amplitude |     | Repetition rate |     |    |   |   |
|--------|-------|-----|-----------|-----|-----------------|-----|----|---|---|
| HD0001 | —     | XXX | —         | XXX | —               | X   | X  |   |   |
|        | 110V  | 110 | 4000V     | 040 | 100kHz          | 100 | 风冷 | F | S |
|        | 220V  | 220 | 6000V     | 060 | 500kHz          | 500 | 水冷 | W | C |

3. DIMENSIONS (外形尺寸-mm)



4. SUGGESTED MODULATOR ELECTRONICS (建议调制器型号)

5. REVISION (版本)

| Number<br>(版本号) | Revisions date<br>(修订日期) | Revision<br>(修改项目) | Revision description<br>(修订内容说明) |
|-----------------|--------------------------|--------------------|----------------------------------|
| A               | 2023.7.26                | New                | /                                |

**Quality Assured:** In house made, high damage threshold, Vacuum bonding, 100% Diffraction efficiency test & burn-in test.