

## 典型性能 Features

- ◆ 6-30 瓦功率输出 (6-30Watts of Output Power)
- ◆ 高隔离耐压 (High isolation voltage)
- ◆ 长期短路保护, 自恢复 (Short Circuit Protection ,Automatic Recovery)
- ◆ 小型化封装 (Small Package)
- ◆ CE、ROHS、中铁认证、EN50155
- ◆ 100%国产化 (100% localization)



## 电气特性 Electrical Specifications

输入特性 Input	Min	Type	Max	Notes
输入电压范围	10V	12V/24V	40V	
Input Voltage Range	40V	74V/110V	160V	
启动延时时间 Start-up Delay Time		10mS		
输出特性 Output	Min	Type	Max	Notes
输出电压精度 Set point Accuracy			±1%	
负载效应 Load Regulation			±0.5%	
源效应 Line Regulation			±0.2%	
动态响应 Dynamic Response			4%Vo Pk deviation 400µs settling time	50~75% load 50~25% load
温度系数 Temperature Regulation		±0.2%/°C		
输出过流保护 Current Limit Threshold	110%		160%	
短路保护 Short-Circuit Protection	长期短路自恢复 Continuous, Automatic Recovery			
综合特性 General	Min	Type	Max	Notes
隔离电压 Isolation Voltage		2000Vac		Input to Output
开关频率 Switching Frequency		300KHz		
平均故障间隔时间 MTBF		2×10 <sup>6</sup> Hrs		Mil HDBK 217F Tc=25°C
工作壳温 Case Temperature	-40°C		+100°C	
储存温度 Storage Temperature	-55°C		+125°C	
相对湿度 Relative Humidity	10%		90%	

管脚焊接温度 Pin Solder Temperature		250℃	Wave Solder <10S
手工焊接时间 Hand Soldering Time		5S	Iron Temperature 425 °C
传导 Conducted Emission	GB9254/CISPR22/EN55022 Class A (推荐电路见图)		
静电放电 Electrostatic Discharge	GB17626/EN61000-4-2 空气放电±8KV, 接触放电±6KV		
浪涌抗扰度 Surge Immunity	GB17626/EN61000-4-5 ±2KV (推荐电路见图) perf. Criteria A		
脉冲群抗扰度 Electrical Fast Transient	GB17626/EN61000-4-4 ±2KV (推荐电路见图) perf. Criteria A		

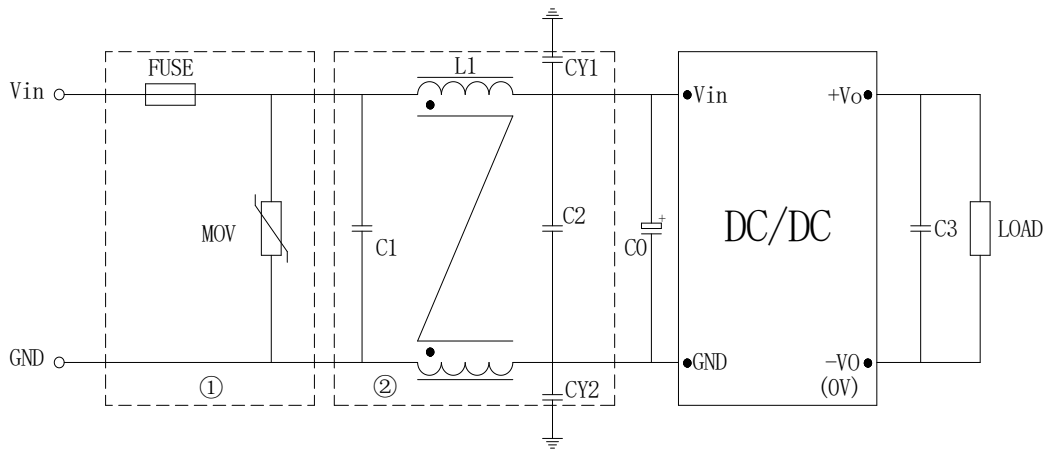
## 产品型号列表

型号 Models	输入电压范围 Input Voltage Range	输出电压 (Vdc) Output Voltage	输出电流 (A) Output current	纹波噪声(mv) Ripple and noise	典型效率 Efficiency	容性负载(μF) Max.Capacitor Load
CRU6-24S3V3	10-40V	3.3	1.5	50	84%	1000
CRU6-24S5	10-40V	5.05	1.2	50	85%	1000
CRU6-24S9	10-40V	9	0.67	100	85%	680
CRU6-24S12	10-40V	12	0.5	100	87%	470
CRU6-24S15	10-40V	15	0.4	100	87%	470
CRU6-24S24	10-40V	24	0.25	100	87%	220
CRU6-24S48	10-40V	48	0.13	200	86%	100
CRU6-110S3V3	40-160V	3.3	1.5	50	84%	1000
CRU6-110S5	40-160V	5.05	1.2	50	85%	1000
CRU6-110S12	40-160V	12	0.5	100	87%	470
CRU6-110S15	40-160V	15	0.4	100	87%	470
CRU6-110S24	40-160V	24	0.25	100	87%	220
CRU6-110S48	40-160V	48	0.13	200	86%	220
CRU10-24S3V3	10-40V	3.3	2.5	50	84%	1000
CRU10-24S5	10-40V	5.05	2.0	50	85%	1000
CRU10-24S12	10-40V	12	0.83	100	87%	470
CRU10-24S15	10-40V	15	0.67	100	87%	470

CRU10-24S24	10-40V	24	0.42	100	87%	220
CRU10-24S48	10-40V	48	0.21	200	86%	100
CRU10-110S3V3	40-160V	3.3	2.5	50	84%	1000
CRU10-110S5	40-160V	5.05	2.0	50	85%	1000
CRU10-110S12	40-160V	12	0.83	100	87%	470
CRU10-110S15	40-160V	15	0.67	100	87%	470
CRU10-110S24	40-160V	24	0.42	100	87%	220
CRU10-110S48	40-160V	48	0.21	200	86%	220
CRU15-24S3V3	10-40V	3.3	4.0	50	84%	1000
CRU15-24S5	10-40V	5.05	3.0	50	85%	1000
CRU15-24S12	10-40V	12	1.25	100	87%	470
CRU15-24S15	10-40V	15	1.0	100	87%	470
CRU15-24S24	10-40V	24	0.63	100	87%	220
CRU15-24S48	10-40V	48	0.31	200	86%	100
CRU15-110S3V3	40-160V	3.3	4.0	50	84%	1000
CRU15-110S5	40-160V	5.05	3.0	50	85%	1000
CRU15-110S12	40-160V	12	1.25	100	87%	470
CRU15-110S15	40-160V	15	1.0	100	87%	470
CRU15-110S24	40-160V	24	0.63	100	87%	220
CRU15-110S48	40-160V	48	0.31	200	86%	220
CRU20-24S3V3	10-40V	3.3	5.0	50	88%	1000
CRU20-24S5	10-40V	5.05	4.0	50	89%	1000
CRU20-24S12	10-40V	12	1.6	100	90%	470
CRU20-24S15	10-40V	15	1.3	100	90%	470
CRU20-24S24	10-40V	24	0.83	100	91%	220
CRU20-24S48	10-40V	48	0.41	200	90%	100
CRU20-110S3V3	40-160V	3.3	5.0	50	88%	1000
CRU20-110S5	40-160V	5.05	4.0	50	89%	1000
CRU20-110S12	40-160V	12	1.6	100	90%	470
CRU20-110S15	40-160V	15	1.3	100	90%	470

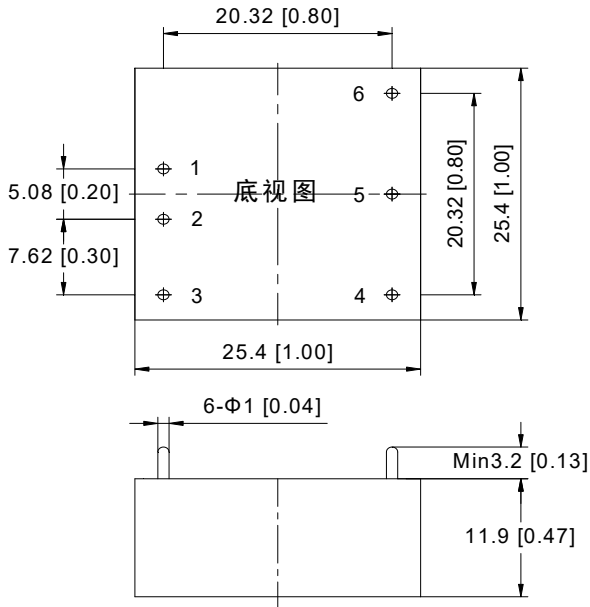
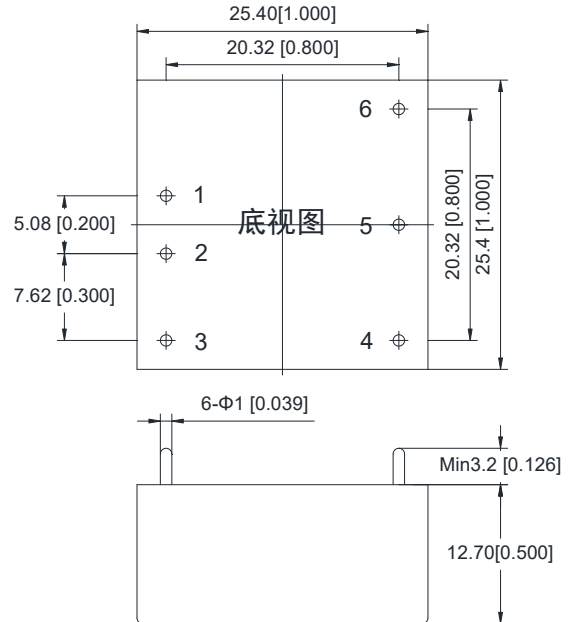
CRU20-110S24	40-160V	24	0.83	100	91%	220
CRU 20-110S48	40-160V	48	0.41	200	90%	220
CRU30-24S3V3	10-40V	3.3	6.0	50	88%	6800
CRU30-24S5	10-40V	5.05	6.0	50	89%	6800
CRU30-24S12	10-40V	12	2.5	100	90%	470
CRU30-24S15	10-40V	15	2.0	100	90%	470
CRU30-24S24	10-40V	24	1.25	100	91%	220
CRU30-24S48	10-40V	48	0.62	200	90%	100

■说明：仅列出典型型号，其它型号，请确定功率，输入电压及输出电压，致电我公司，

**电磁兼容应用 (EMC)**


型号	Vin: 24V	Vin: 110V
FUSE	根据具体电源模块型号电流选择	
MOV	14D101K	14D201K
C0	100 $\mu$ F/50V	47 $\mu$ F/250V
C1、C2	4.7 $\mu$ F/50V	1 $\mu$ F/250V
C3	100 $\mu$ F	
LCM	1mH	
CY1、CY2	2.2nF Y2 安规电容	

**机械图及管脚说明 (Mechanical Chart、Pins)** (Unit: mm/inch)

**6-15W 尺寸图**

**20-30W 尺寸图**


管脚 Pin	1	2	3	4	5	6
<b>6-15W</b>	+Vin	-Vin	NP	-Vo	NP	+Vo
<b>20-30w</b>	+Vin	-Vin	CNT	-Vo	TRIM	+Vo

注:安装定位尺寸公差按 GB/T1804-2000 F 级标准、外型尺寸公差按 GB/T1804-2000 C 级标准。