



三一精工

电源适配器 Power Supply Adapter

APSC-3.75W



■ 特性

- 国际通用全范围交流输入
- 内置 EMI 滤波器
- 过压/过温/过负载保护
- 100%负载老化
- 冷却方式：自冷
- LED 电源指示灯
- 高效率，长寿命和高信赖度
- 可根据用户选型定制

■ Characteristic

- International Universal AC input/ Full range
- Built-in EMI filter
- Over voltage& temperature & Load Protections
- 100% full load burn-in test
- Cooling: Self-cooling
- LED indicator for power
- High efficiency, long life and high reliability
- Can be customized according to user selection

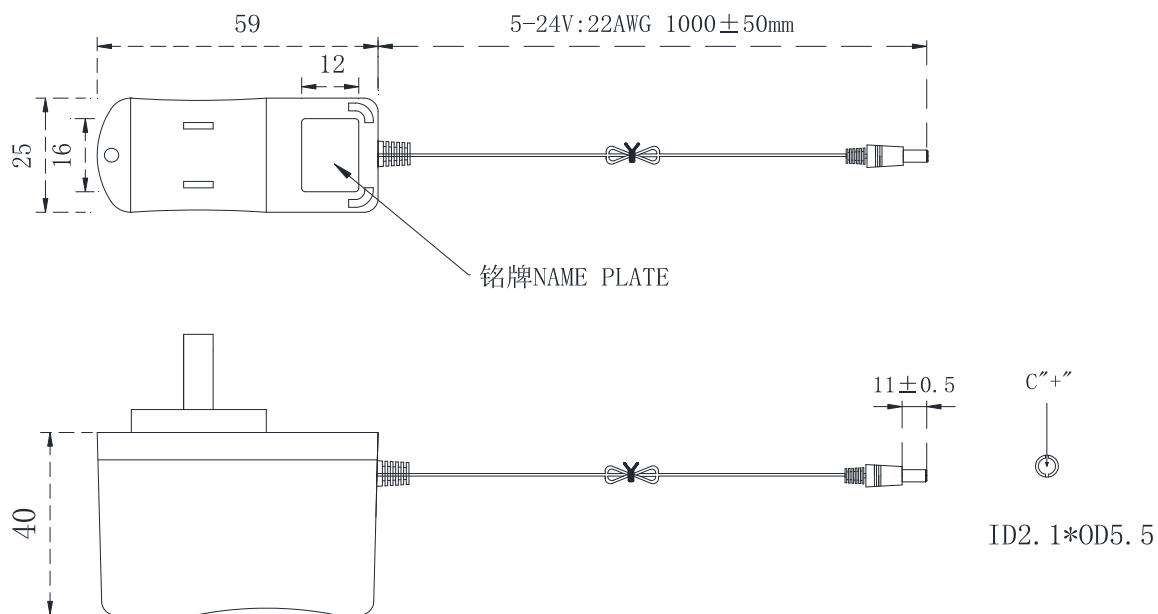
电气规格 SPECIFICATION

型号 Model		AD-S0505B	AD-S07505B	AD-S0902B	AD-S1202B
输出 Output	直流电压 DC Voltage	5V	7.5V	9V	12V
	额定电流 Rated Current	0.5A	0.5A	0.2A	0.2A
	电流范围 Current Range	0~0.5A	0~0.5A	0~0.2A	0~0.2A
	额定功率 Rated Power	2.5W	3.75W	1.8W	2.4W
	波纹和噪声(最大)备注 2Ripple & Noise Max Note	120mVp-p	120mVp-p	120mVp-p	120mVp-p
	电压精度备注 3 Voltage Tolerance Note 3	±5%	±5%	±5%	±5%
	线性调整率备注 4 Line Regulation (Note 4)	±1%	±1%	±1%	±1%
	负载调整率备注 5 Load Regulation (Note 5)	±2%	±2%	±2%	±2%
	启动, 上升, 保持时间 Setup、Rise Time	500ms 200ms 30ms 满载时 Full load			
输入 Input	交流插头 AC plug	AC 插头-UK	AC 插头-CN	AC 插头-EN	AC 插头-US
	电压范围 Voltage Range	100Vac~240Vac			
	频率范围 Frequency Range	50/60Hz			
	效率最大 Efficiency (Typ.)	80%	80%	85%	85%
	交流电流 Ac Current (Typ.)	0.12A/200Vac			
	浪涌电流最大 Inrush Current (Typ.)	35A/220Vac			
	漏电流最大 Leakage Current (Typ.)	< 0.35mA/220Vac			
保护 Protection	过负载 Over Load	额定输出功率的 Rated output power: 110%~240% 保护模式: 打嗝模式, 负载异常条件移除后可自动恢复 Protection type: Hiccup mode, recovers automatically after fault condition is removed			
	过电压 Over Voltage	额定输出电流的 Rated output Voltage:115%~135% 保护模式: 二极管钳位 Protection mode: diode clamp			
	过温度备注 5 Over Temp (Note 5)	晶体内部接点温度超过 140℃, 启动过温保护。 Crystal internal contact temperature exceeds 140 °C, start over temperature protection.			
		保护模式: 关闭输出电压, 温度下降后自动恢复 Protection mode: turn off the output voltage, the temperature drops automatically resume			
	环境 Environment	工作温度 Working Temp	-0℃~50℃ (请参照“减额曲线” Refer to “Derating curve”)		
工作湿度 Working Humidity		0~90%RH, 无冷凝 non-condensing			
储存温度、湿度 Storage Temp、Humidity		-10℃~75℃ 10~98%RH, 无冷凝 non-condensing			
温度系数 Temp. Coefficient		±0.03%/℃ (0~50℃)			
耐震荡 Vibration		10~500Hz, 5G 10 分钟/周期, X、Y、Z 轴各 60 分钟 10Min/1 cycle, period for 60min,each along X,Y,Z axes			
安规 和电磁兼容 备注 7 Safety & EMC Note 7	安全规范 Safety Standards	GB4943, EN60950			
	耐压 Withstand Voltage	I/P-O/P:2KVac			
	绝缘抗阻 Isolation Resistance	I/P-O/P: 100M Ohms/500VDC/25℃/70%RH			
	电磁兼容发射 EMI Conduction Radiation	符合 Compliance to :EN55022, EN61000-3-2, 3, FCC part15, GB9254 class B, GB17625.1			
其它 Others	电磁兼容抗扰度 EMS Immunity	符合 Compliance to :EN61000-4-2, 3, 4, 5, 6, 8, 11, A 级轻工业标准 light industry level, criteria A			
	寿命 Life	2 年: 100%负载, 30℃, 8 小时/天 2 years: 100% load, 30, 8 hours / day			
	MTBF	≥1415.6Khrs			
	尺寸 Dimension	59*25*40mm (L*W*H)			
连接器 Connector	包装 Packing	0.04Kg 500pcs/20Kg			
	插头 Plug/配线 Wiring	详见第二页, 其它型号可依客户需求订制 For second pages, other models can be customized according to customer requirements.			
备注 Note	1. 如未特别说明, 所有规格参数均在输入为 230VAC、额定负载、25℃环境温度下进行测量。 If no special instructions are specified, all the specifications are measured at the input of 230VAC, the rated load, the ambient temperature of 25℃. 2. 波纹和噪声测量方法: 使用一条 12" 双绞线, 同时终端要并联 0.1uF 和 47uF 的电容, 在 20MHZ 带宽下进行量测。 Ripple and noise measuring method: using a 12 "twisted pair, at the same time terminal to parallel 0.1uF and 47uF capacitor, in the 20MHZ bandwidth measurement. 3. 精度: 包含设定误差, 线性调整率和负载调整率。 Curacy: contains setting error, linear adjustment rate and load adjustment rate. 4. 线性调整率测量方法: 在额定负载下, 从低电压到高压测试。 Linear adjust rate measurement: at rated load, from a low voltage to a high voltage test. 5. 负载调整率测量方法: 从 10%到 100%。 Load adjustment rate measurement method: from 20% to 100% 6. 过温保护是由控制 IC 的功能决定。 Overtemperature protection is determined by the function of the control IC.				



尺寸 Dimension

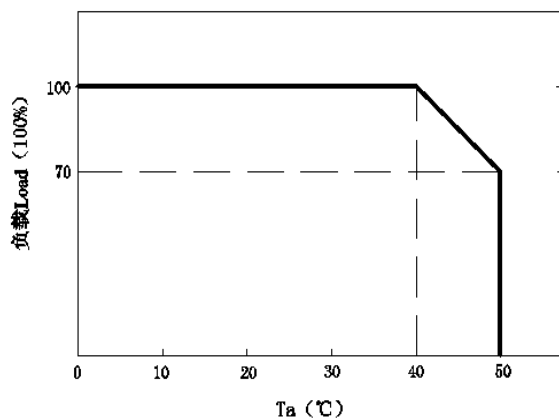
单位: mm



标准型: P1J

P1J	
P/N	OUTPUT
CENTER	+

■ 减额曲线Derating Curve



■ 静态特性曲线Static Characteristics

