



深圳市欣锐特科技有限公司

SHINRY TECHNOLOGIES CO., LTD.

Contact Info: *Samsun Zhang*

Mobile:135 5685 0583 Skype:Samsunzhang

Tel:0755 - 86159683 Fax:0755 - 86329100

Email : ic9898@163.com slzhang@shinry.com

Samsun zhang 2010



深圳市欣锐特科技有限公司
Shinry Technologies (ShenZhen) Co., Ltd.

地址：深圳市南山区西丽红花岭工业北区 A4 栋东六楼

电话：0755-86329108

传真：0755-86329100

网址：www.shinry.com

1. Description

- 1.1. For T8 Non-Isolation Fluorescent Lamp /T8 非隔离日光灯使用
- 1.2. To Meet the IP43 Waterproof Requirements/满足 IP43 防水要求
- 1.3. To Meet the ROHS & CE Requirement/此电源符合 ROHS & CE 要求

2. Input Characteristics/输入特性

2.1. Input Voltage & Frequency/输入电压与频率

The range of input voltage is from 100Vac to 240Vac single phase.

输入电压范围：从 100Vac 到 240Vac

Input/输入	Minimum/最小	Nominal/额定值	Maximum/最大
Input Voltage 输入电压	100Vac	110/220Vac	240Vac
Input Frequency 输入频率	47Hz	50/60Hz	63Hz
Remark/备注	When the input voltage is less than 10% of rated voltage , output current $\pm 10\%$ error allowed/当输入电压低于输入额定电压的 10%时，输出电流允许偏差 $\pm 10\%$		

2.2. Input AC Current/AC 输入电流

0.12Amax. @ Full load & 100Vac/100Vac 满载

2.3. Inrush Current (cold start)/浪涌电流(冷启动)

20Amax. @ 220Vac & Full load and cold start/220Vac 满载，冷启动

2.4. Power Factor/功率因数

0.8min. @220Vac & Full load /220Vac 满载

2.5. Efficiency (Normal)/效率(额定输入)

80% min. @ 220Vac & Full load/220Vac 满载

3. Output Characteristics/输出特性

3.1. Static Output Characteristics /静态输出

Rated Load/额定负载		Output Range 输出电压范围	Remark 备注
Min. Load	Normal. Load		
0mA	160 \pm 10mA	25~ 45Vdc	"+" "-"

3.2. Start-up Delay Time/开机延迟时间

0.5S max. @ 220Vac & Full load/220Vac 满载

3.3. Rise-up Time/上升时间

100mS max. @ 220Vac & Full load/220Vac 满载

3.4. Output Overshoot / Undershoot/输出过冲/欠冲

10% max. @100Vac-240Vac & Full Load (When the power on or off 当电源开/关机时)
100Vac-240Vac 满载

3.5. Line Regulation/线性调整率

$\pm 10mA$



3.6. Temperature Drift/温度漂移

±0.2%/°C

4. Protection Requirements/保护要求

4.1. Short Circuit Protection/短路保护

No Damage(pin≤1W). Automatic Recovery/ pin≤1W 无损坏，可自恢复

5. Environment Requirements/环境要求

5.1. Operating Temperature and Relative Humidity/操作温度/湿度要求

-40°C to +70°C

5%RH to 95%RH with no condensation/无凝露

5.2. Storage Temperature and Relative Humidity/存储温/湿度要求

-40°C to +75°C

5%RH to 95%RH with no condensation/无凝露

5.3. Pressure/大气压要求

70~106 kPa

5.4. Cooling Style/冷却方式

Natural Cooling. 自然冷却

5.5. Vibration/振动

10 to 300Hz sweep at a constant acceleration of 1.0G(Breadth: 3.5mm)for1Hour for each of the perpendicular axes X, Y, Z

扫描频率: 10 to 300Hz, 加速度: 1.0G(位移: 3.5mm), X, Y, Z 三垂直坐标轴向各振动 1 小时

6. Reliability Requirements/可靠性要求

6.1. Burn-in/煲机

The power supply shall under go a minimum of 4 Hours burn-in test at 40°C ± 5°C under full load condition

产品至少要在 40°C ± 5°C 的环境及满载条件下煲机 4 小时

6.2. MTBF Qualification/平均间隔故障时间估算

The MTBF shall be at least 50,000 hours at 25°C, Full load and nominal input condition

平均间隔故障时间: 至少 50,000 小时, 25°C 环境及额定输入与满载条件下

7. EMI/EMS Standards/EMI/EMS 标准

7.1. EMI Standards/EMI 标准

EN 55022:1998, +A1:2000 +A2:2003, Class A

EN55024:1998+A1:2001+A2:2003

EN55015A



深圳市欣锐特科技有限公司
Shinry Technologies (ShenZhen) Co., Ltd.

地址：深圳市南山区西丽红花岭工业北区 A4 栋东六楼

电话：0755-86329108

传真：0755-86329100

网址：www.shinry.com

7.2. EMS Standards/EMS 标准

EN 61000-3-2	Harmonic current emissions
EN 61000-3-3	Voltage fluctuations & flicker
EN 61000-4-2	Electrostatic Discharge(ESD): 4kV air discharge, 2kV contact discharge
EN 61000-4-3	Radio-Frequency Electromagnetic Field Susceptibility Test-RS
EN 61000-4-5	Surge Immunity Test: AC Power Line: line to line 0.5kV
EN 61000-4-8	Power Frequency Magnetic Field Test
EN 61000-4-11	Voltage Dips
EN 61000-6-1	Electromagnetic compatibility (EMC)—Part 6-1:Generic standards-Immunity for residential, commercial and light-industrial environments
EN 61000-6-3	Electromagnetic compatibility (EMC)—Part 6-3:Generic standards-Emission standard for residential, commercial and light-industrial environments

8. Safety Standards/安规标准

8.1. Dielectric Strength(Hi-pot)/介电耐压强度(高压)

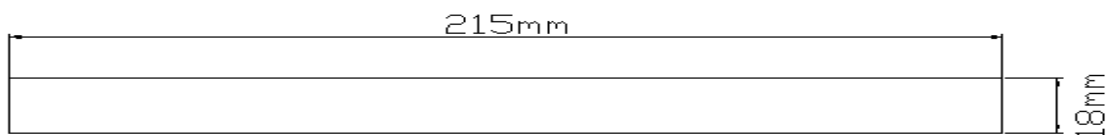
Primary to Secondary: No Isolation

初级对次级：无隔离

8.2. Regulatory Standards/安规标准

Type/安规	Country/国家	Standard/标准	State/状况	Attestation/认证号
CE	Europe	IEC61347-2-13	已获得认证	

9. Mach. Outline Drawing/外观示意图



PCB 正视图



PCB 顶视图