

SA10CC LED power supply

Features:

- Single output constant current supply for LED's
- High efficiency
- Small size 100 x 40 x 25 (H) mm
- Cased – Class II
- Low cost
- Low standby power
- Low touch currents
- Meets requirements of EN61000-3-2 PFC Class C (Exempt due to power level)
- Meets requirements of EN55022 'B' for conducted and radiated noise



Specification:

INPUT	
Input Voltage	100 – 230 Vac +/-10%
Frequency Range	50 / 60Hz
Temperature Range	0 – 50°C ambient (Convection cooled)
Input Fuse	T0.63H 250V TR5
Input Current	0.25Arms (90Vacin 10W load)
Hold-up Time	8mS (110Vacin, 10W load) 60mS (230Vacin, 10W load)
Power Factor	> 0.5 (Full load)
Standby Power	< 0.5W (230Vacin)
Start-up	Less than 1 second, 100Vacin
OUTPUT	
Output Power	10W (18W 180 – 253Vacin) in a 50°C ambient (max)
Open circuit output Voltage	30 – 35v
Output Current	700mA / 350mA
Efficiency	> 80% (230Vacin – Full load)
OVP	Hiccup mode
Over current / Short Circuit	Hiccup mode
Thermal protection	Protection fitted as standard – auto recovery
Load regulation	+/- 5%
Line regulation	+/- 0.25%
Noise & ripple	Typically 1% (230Vacin, Full load, BW = DC – 10MHz)
ENVIRONMENT	
Temperature	0°C to +50°C
Cooling	Convection only
Humidity	10-95% non-condensing
Storage	-25°C to +85°C
MTBF	>350,000 hrs 25°C (MIL217F parts count method)

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SAFETY & REGULATORY SPECIFICATIONS

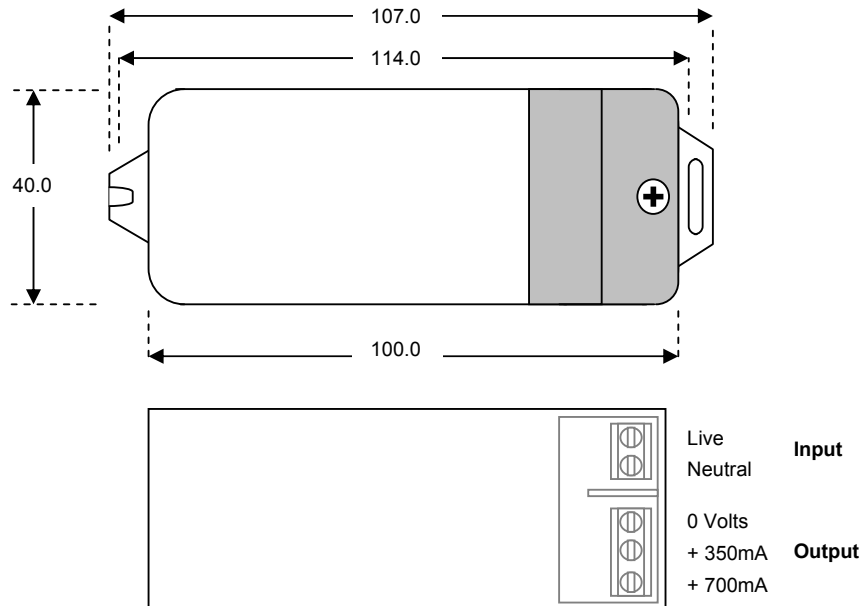
PSU Class	Class II:- Stand alone
Safety	Certified to EN60950, CE marked against LVD Designed to meet UL60950
Flash test	I/p to O/p, 4300V DC
Earth leakage current	None
Output touch current	<100uA rms (230Vacin 50Hz)
EMC – Conducted	Designed to meet requirements of EN55022 “Class B”
EMC – Radiated	Designed to meet requirements of EN55022 “Class B”
EMC - Power Factor	Designed to meet requirements of EN61000-3-2 “Class C” (Exempt due to power level)
EMC – Fast Transients	Designed to meet requirements of EN61000-4-4
EMC – Surge	Designed to meet requirements of EN61000-4-5
EMC – Voltage Dips & Fluctuations	Designed to meet requirements of EN61000-4-11

MECHANICAL

Dimensions	100.0mm x 40.0mm x 25.0mm (H)
Fixings	See below
Input Connector	2W 5mm Terminal block
Output Connector	3W 5mm Terminal block
Pin-out	See below
Weight	80grams

Technical specification may be subject to change – contact sales office before ordering.

Mounting and Connection Diagram



(All dimensions in mm)

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