

SA60CC Power Supply / LED Driver (Remote Dimming)



Features:

- Single output constant current or constant voltage supply - Suitable for LED applications
- Universal output voltage (Will function at 0 output)
- Universal input voltage
- High efficiency
- Small size 51 x 127 x 31(H) mm
- Class II
- Open frame or cased option
- Low cost
- Low touch currents
- Meets requirements of EN61000-3-2 PFC Class C
- Meets requirements of EN55022 'B' for conducted noise
- Output current and voltage adjustment built in
- Externally enable / adjustment via switch, pot or voltage

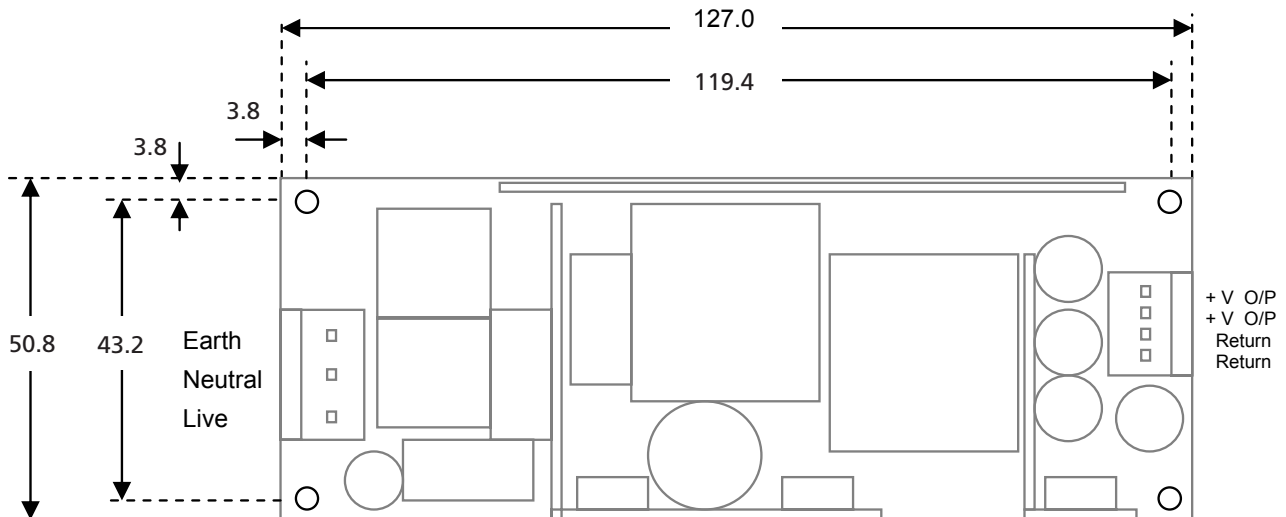
Specification:

INPUT	
Input voltage	100 – 230 Vac +/-10%
Frequency Range	50-60Hz
Temperature Range	0 – 50°C ambient (Convection cooled - uncased)
Input fuse	t1.6H 250V
Maximum Input Current	0.9A (90Vacin, 60W load)
No load power	Up to 2.4W (230Vacin)
Power Factor	0.95 (230Vacin, Full load)
Start-up	Less than 2 second, 100Vacin
OUTPUT	
Output Power	60W max, 100-264 Vacin ina a 50°C ambient (max) derate by 10% if continuous use below 100Vac
Output Voltage	0-50V adjustable on board (Maximum o/p power must not be exceeded)
Output Current	0-2A adjustable on board (Maximum o/p power must not be exceeded)
Efficiency	> 85% (230Vacin, Full load, output at 48V)
OVP	115-125% (latching and non dissipative) recycle mains to reset
Short Circuit / Overcurrent	Constant current output
External Programming Input Dimming control (Standard unit is current control)	If required output acn be remotely controlled via the following methods 1) 10K pot across adjust pins can adjust output 0-100% 2) A 0-5 Voltage source can be used to adjust output 0-100% Theprogramming unit can also be used as Enable / Remote off (Shorting pins together turns unit off) Note. Output should be set to maximum required current/voltage using PCB preset first
Signals	Output LED
Load regulation	+/- 1%
Line regulation	+/- 0.1%
Noise & ripple	< 1% (DC-10MHz) 230vacin. Full load)
ENVIRONMENT	
Temperature	0°C to +70°C (Derate 2.5% / °C above 50°C)
Cooling	Convection only
Humidity	10-95% non-condensing
Storage	-25°C to +85°C
MTBF	>100,000 hrs 25°C (MIL217F parts count method)

Specification:

SAFETY & REGULATORY SPECIFICATIONS	
PSU Class	Class I & II :- Component part
Safety	Self certified to EN60950, CE marked against LVD Designed to meet UL60950
Flash test	I/p to O/p, 4300V DC Cased units, I/p to O/p & E, 2200V 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 A”
EMC - Power Factor	Designed to meet requirements of EN61000-3-2 “Class C” (at all applicable power levels)
EMC – Fast Transients	Designed to meet requirements of EN61000-4-4
EMC – Surge	Designed to meet requirements of EN61000-4-5
EMC – Voltage Fluctuations	Designed to meet requirements of EN61000-4-S
MECHANICAL	
Dimensions	127.0mm x 50.8mm x 31.0mm (H)
Fixings	3.2mm holes - See below
Input Connector	5W MOLEX 5273 series or equivalent (Pins 2 & 4 removed)
Output Connector	4W MOLEX 5273 series or equivalent
Pin-out	See below
Weight	205grams

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



(All dimensions in mm)

Data sheets are subject to change without notice

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