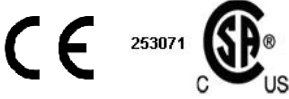




15 Watt, Regulated AC/DC Modules, PCB mounting Series DVA15CP



Features

- Wide Input Range 90 – 264 VAC
- Single Outputs, Regulated
- Isolation I/O 3,3K & 3,75K VAC
- Approval cCSAus 60950-1
- Efficiency to 84%
- Operating Tem. Range -40°C to +85°C
- EN60950 / EN 55022 Class B / CE Conformity
- meet UL60950-1

MODEL NUMBER	INPUT VOLTAGE RANGE [VAC / VDC]	OUTPUT VOLTAGE [VDC]	OUTPUT CURRENT MAX. [mA]	EFF. [%] Typ.	OUTPUT POWER [W]	APPROVAL	CASE Height [mm]
DVA90-264-05S3000CP	90 – 264 / 110 – 370	5	3000	81	15		CP 51,1x51,1x23
DVA90-264-12S1250CP	90 – 264 / 100 – 370	12	1250	83	15	cCSAus	
DVA90-264-15S1000CP		15	1000	83	15		
DVA90-264-24S600CP		24	600	84	15	cCSAus	
DVA90-264-48S313CP*		48	313	84	15		

Note: Model* and other outputs on request.

INPUT SPECIFICATIONS:

Input Voltage.....	Nominal.....	90 – 240VAC / 100 – 250VDC
	DVA90-264-05S3000CP.....	90 – 264VAC / 110 – 250VDC
	Range.....	see table
Input Frequency.....		47 – 63Hz / 0 Hz

OUTPUT SPECIFICATIONS:

Output Voltage Accuracy.....		±2,0%
Ripple.....	I load=I nom.; BW=1MHz.....	≤1%
Noise (≤30MHz).....	I load=I nom.; BW=30MHz.....	≤2%
Temperature Coefficient.....	-40°C ≤ Ta ≤ +85°.....	0,02%/K max.
Response Time (70 – 100%).....	(10% - 90%)*Inom.....	≤4,0ms
Over Voltage Protection.....	5Vout.....	Transzorb Diode no OVP
Temperature Protection.....		IC
Short Circuit Protection.....		Continuous
Short Circuit Current.....		hiccup mode
Line Regulation.....	I load = I nom.....	≤0,5%
Load Regulation.....	I load=(10% - 90%)*Inom.....	±0,5%

GENERAL SPECIFICATIONS:

Efficiency.....	Vin 230Vac.....	see table
Isolation Voltage I/O.....	DVA90-264-05S3000CP.....	3,75K VAC 3,30K VAC
Switching Frequency.....		130 KHz typ.
Operating Temperature Range.....		-40°C to +85°C
Derating above 50°C (5Vout above 60°C).....		2,0%/K
Over Temperature Protection.....	Measured Middle of Case.....	100°C max.
Storage Temperature Range.....		-40°C to +105°C
Interference immunity.....	ESD Electrostatic discharge.....	(15kV) EN61000-4-2
	5Vout.....	(8kV) EN61000-4-2
	RF field susceptibility.....	(10V/m) EN61000-4-3
	Burst.....	(±2KV) EN61000-4-4
	Surge.....	(±1KV symmetrical, ±2kV asymmetrical) EN61000-4-5
	HF fields conducted disturbances.....	(10Veff) EN61000-4-6
	Voltage interruption.....	EN61000-4-11
EMI/RFI Conducted.....	5Vout.....	EN61000-6-4 (EN55022 Class B) EN61000-6-3 (EN55022 Class B)
Electrical Safety (in Accordance with).....		EN60950
Meet.....		CSA60950-1-2nd;UL60950-1-07-2 nd
SELV Protection Class.....		Class 2
Dimension (L x W x H).....		51,0 x 51,0 x 23 mm
Case Material.....		Plastic UL94-V0
Weight.....		120g

Note:

Installation requirement: According to EN60950-1 is mains in the phase line (L) a fuse max. 1,25 A/T should be.
Proposal: SIBA Reihe 166050 1,25A/T.

„ For DC-Operation a fuse according to the application is to be used.“

(Proposal: fuse with order number 179200.1. from SIBA - UL recognized with 1500A@300VDC breaking capacity).

Technical Data at Ta=25°C and Vin=230Veff unless otherwise specified.
In the Temperature Range -40°C to 0°C , can the specified data differ.

CASE CP

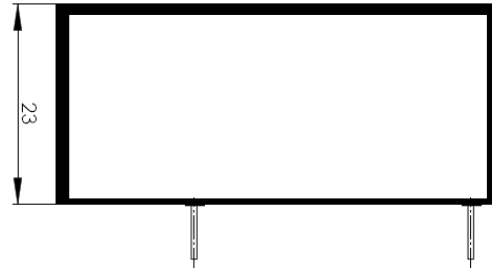
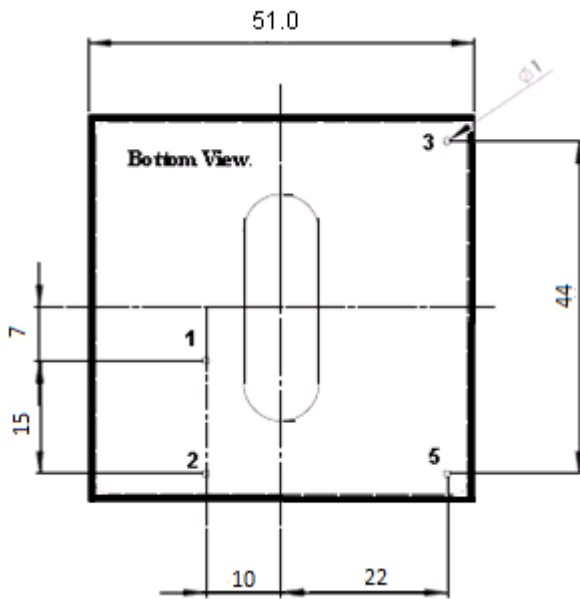
Series DVA15CP

Bottom View. Pin diameter = 1.0 mm (0.04 Inch)

Pin pitch tolerance: ± 0.3 mm (0.012 Inch)

Dimensions in mm

Tolerance: $\pm 0,5$ mm



Pin	Single Output
1	AC in
2	AC in
3	GND
5	+Vout