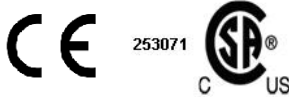




5-10 Watt, Regulated AC/DC Modules, PCB mounting Series DVA10M



Vout 5V, 5,1V & 24V only



Features

- Wide Input Range 90 – 264 VAC
- Single Outputs, Regulated
- Isolation I/O 3,75K VAC
- Approval CSA60950-1/ , UL60950-1 (Vout 5V, 5,1V & 24V)
- Efficiency to 83%
- Operating Tem. Range -40°C to +85°C
- Meet EN62368-1 / EN55032 Class B

MODEL NUMBER		INPUT VOLTAGE [VAC / VDC]	OUTPUT VOLTAGE [VDC]	OUTPUT CURRENT MAX. [mA]	EFF. TYP. [%]	OUTPUT POWER [W]	APPROVAL	CASE Height [mm]
03.010.006	DVA90-264-3,3S1500M	90 – 265 VAC / 100 – 250 VDC	3,3	1500	75	5		M 23,8
03.010.012	DVA90-264-5,1S1600M		5,1	1600	75	8,16	CSA c/us	
03.010.017	DVA90-264-05S2000M		5	2000	75	10	CSA c/us	
03.010.008	DVA90-264-12S830M		12	830	80	10		
03.010.009	DVA90-264-15S660M		15	660	80	10		
03.010.010	DVA90-264-24S420M		24	420	83	10	CSA c/us	

Note:

1. Only for Vout 5V/2A ; 12V / 15V / 24V:
Output Power 10Watt for Input Voltage 120 to 250VDC;
Output Power 6Watt for Input Voltage 100 to 120VDC
2. DVA90-264-05S2000M:
Vin Range ≥ 180 Vac to 265Vac: Output Voltage 5Vdc / 2000mA
Vin Range 90Vac to <180Vac: Output Voltage 5Vdc / 1500mA

INPUT SPECIFICATIONS:

Input Voltage	90 – 264VAC / 100 – 250VDC
Input Frequency	47 – 63Hz / 0 Hz

OUTPUT SPECIFICATIONS:

Output Voltage Accuracy	±3,0%
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 ≤2,5ms
Short Circuit Protection	continuous
Short Circuit Current	≤1,5*Inom
Line Regulation	I load = I nom ≤0,1%
Load Regulation	I load=(10% - 90%)*Inom ±0,5%

GENERAL SPECIFICATIONS:

Efficiency	see table
Isolation Voltage I/O.	3,75K VAC
Switching Frequency	67 KHz
Operating Temperature Range	-40°C to +85°C
Derating above 55°C	5,1V 1,76%/K
	Output 3,3V ; 12V ; 15V ; 24V 2,0%/K
Derating above 50°C	Output 5V / 2A 2,5%/K
Over Temperature Protection	Measured Middle of Case 100°C
Storage Temperature Range	-40°C to +105°C
Electrical Safety (Approved)	Output 5V & 5,1V & 24V CSA60950-1-2nd; UL60950-1-07-2 nd
	Output Other Models meet CSA60950-1-2nd; UL60950-1-07-2 nd
	All Models meet CSA/UL/IEC/EN62368-1
EMI Emissions	EN61000-6-2, EN61000-6-3 (EN55032 Class B)
EMS Immunity	ESD Electrostatic discharge EN61000-4-2
	RF field susceptibility EN61000-4-3
	Burst (±2KV) EN61000-4-4
	Surge (±1KV symmetrical, ±2kV asymmetrical) EN61000-4-5
	HF fields conducted disturbances EN61000-4-6
	Voltage interruption EN61000-4-11
Dimension (L x W x H)	52,5 x 27,3 x 23 mm
Case Material	Plastic (UL 94V0)

Note:

Installation requirement: According to EN60950-1 is mains in the phase line (L) a fuse max. 1,0 A/T should be.

Proposal: SIBA 166000 1A/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).

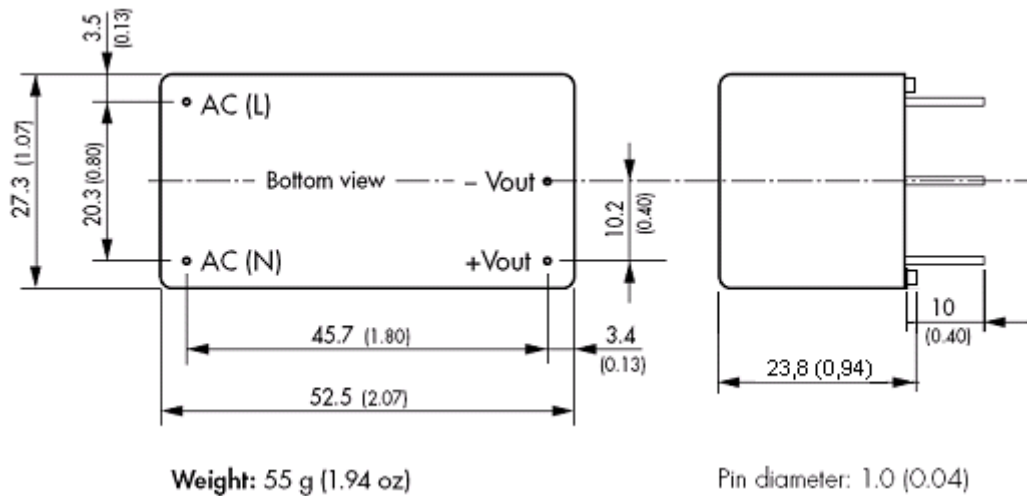
Technical Data at Ta=25°C and Vin=230Veff unless otherwise specified.

CASE M Height 23,8 mm

Series DVA10M

Bottom View. Pin diameter = 1.0 mm (0.04 Inch)
Pin pitch tolerance: ± 0.3 mm (0.012 Inch)

For Model 03.010.006 / 03.010.008 / 03.010.009 / 030.010.010 / 030.010.012 / 03.010.017



CASE M Height 23,0 mm

Series DVA10M

Bottom View. Pin diameter = 1.0 mm (0.04 Inch)
Pin pitch tolerance: ± 0.3 mm (0.012 Inch)

For Model 03.010.018 / 03.010.019 / 03.010.020 / 030.010.021 / 030.010.022 / 03.010.023

