



## 6 Watt, Regulated AC/DC Modules, PCB mounting DVA06M6



### Features

- Wide Input Range 90 – 264 VAC
- Dual Output, Regulated
- Isolation I/O 4K VAC
- Approval 60601 3<sup>rd</sup> edition (MOOP)
- Efficiency to 74%
- Operating Tem. Range -25°C to +85°C
- EN60950 / CE Conformity

MODEL NUMBER	INPUT VOLTAGE [ VAC / VDC ]	OUTPUT VOLTAGE +Vout 1 [ VDC ]	OUTPUT VOLTAGE +Vout 2 [ VDC ]	OUTPUT CURRENT [ mA ]	EFF. [ % ] Typ.	OUTPUT POWER [ W ]	CASE Height [ mm ]
DVA90-264-D3,305M6*	90 – 264 VAC / 100 – 250 VDC	3,3	5	700	74	5,8	M 23,8

Note:

1. \*approved 60601-3<sup>rd</sup> edition
2. Other output models on request

## INPUT SPECIFICATIONS:

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

## OUTPUT SPECIFICATIONS:

Short Circuit Protection.....	continuous
Output voltages.....	± 3%
Load regulation ( 20%-80% Inom).....	0,5%
Line regulation ( 90-264VAC).....	0,2%
Ripple & Noise (BW 20MHz).....	< 150mVpp
Temperature Coeffizient ( -25-85°C).....	0,02%/K
Dynamic load regulation ( 20%-80% Inom).....	< 100mV
Dynamic response time .....	< 1ms
Hold up time ( Uin= 115VAC).....	typ.10ms
Hold up time ( Uin = 230VAC).....	typ 25ms

## GENERAL SPECIFICATIONS:

Efficiency.....	see table
Switching Frequency.....	132kHz typ.
Isolation Voltage I/O.....	4K VAC
Operating Temperature Range.....	-25°C to +85°C with derating from 70°C
Derating .....	2,4%/K
Over Temperature Protection (auto recovery). Measured Middle of Case .....	100°C typ.
Storage Temperature Range.....	-40°C to +105°C
Electrical Safety ( in Accordance with ).....	EN60950
EMV.( Immunity).....	EN 60601-1 3rd edition MOOP
.....ESD.....	EN61000-6-2
.....HF- Felder gestrahlt.....	EN61000-4-2 Luftentladung 15kV
.....Burst.....	EN61000-4-3 10V/m
.....Surge.....	EN61000-4-4 2kV symmetrisch
.....HF- gekoppelt.....	EN61000-4-5 1kV symmetrisch
.....Netzunterbrechung.....	EN61000-4-6 10V
EMV (EMI/RFI).....	EN61000-4-11
Approvals (model DVA90-264-D3,305M6).....	EN 61000-6-3
Dimension ( L x W x H ).....	EN55011/ class B
Case Material.....	EN60601 3 <sup>rd</sup> ed.
Cooling.....	52,5 x 27,3 x 23,8 mm
	Plastic (UL 94V0)
	Free air convection

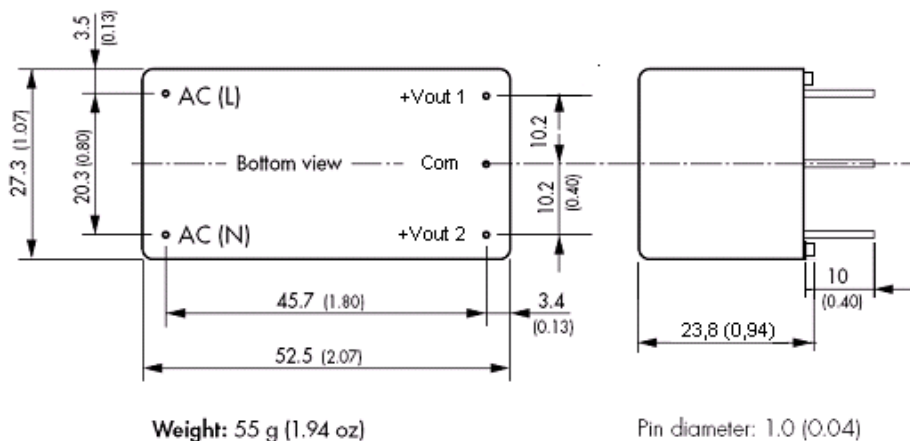
Technical Data at Ta=25°C and Vin=230Veff unless otherwise specified.

### Application Hint:

According to EN60601-1 a line fuse 1.25 AT should be placed in the AC line to fully interrupt AC power in case of fault.  
For DC operation, a fuse acc. to the application should be used.

## CASE M Height 23,8 mm

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



Technische Änderungen ohne Vorankündigung / Specifications are subject to change without notice