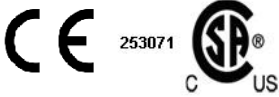




**5 Watt, Regulated  
AC/DC Modules, PCB mounting  
DVA05LP**



**Features**

- Wide Input Range 90 – 264 VAC
- Regulated
- Isolation I/O 3,3 KVAC
- cCSAus approved
- Efficiency to 74%
- Operating Tem. Range -40°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 MAX. [ mA ]	EFF. TYP. [ % ]	OUTPUT POWER [ W ]	CASE Height [ mm ]
DVA90-264-24S210LP	90 – 264 VAC / 100 – 353 VDC	24	0	210	74	5	LP 15

Note:  
1. Other output models on request

# Specification

## INPUT SPECIFICATIONS:

Input Voltage..... 90 – 264VAC / 100 – 353VDC  
Input Frequency ..... 47 – 63Hz / 0 Hz

## OUTPUT SPECIFICATIONS:

Output voltages.....  $\pm 2\%$   
Load regulation ( 10%-90% Inom).....  $\leq 0,5\%$   
Line regulation ( 90-264VAC).....  $\leq 0,5\%$   
Ripple (BW 1MHz).....  $< 1\%$   
Noise (BW 20MHz).....  $\leq 2\%$   
Temperature Coefficient ( -40 to 85°C)..... 0,02%/K  
Dynamic load regulation ( 20%-80% Inom).....  $< 100\text{mV}$   
Short Circuit Protection..... continuous  
Short Circuit Current.....  $\leq I_{\text{nom}}$

## GENERAL SPECIFICATIONS:

Efficiency..... see table  
Switching Frequency..... 130kHz typ.  
Isolation Voltage I/O..... 3,3 KVAC  
Operating Temperature Range..... -40°C to +85°C with derating from 50°C  
Derating ..... 2,0%/K  
Over Temperature Protection ..... Measured Middle of Case ..... 90°C max.  
Storage Temperature Range ..... -40°C to +105°C  
Electrical Safety ( in Accordance with )..... EN60950  
EMV (EMI/RFI)..... EN61000-6-4, Class B  
EMV Immunity..... EN61000-6-2, EN61000-4-2, 4-3,4-4,4-5,4-6,4-11  
Dimension ( L x W x H )..... 46 x 35,5 x 15 mm  
Case Material..... Plastic (UL 94V0)  
Cooling..... Free air convection

Technical Data at  $T_a=25^\circ\text{C}$  and  $V_{\text{in}}=230\text{V}_{\text{eff}}$  unless otherwise specified.

### Application Hint:

According to EN60601-1 a line fuse 1.0 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 LP Height 15 mm

General tolerances:  $\pm 0.5$  mm

