



30 Watt, regulated AC/DC Modules Series DVA30-R



Features



- Wide Input Range 90 – 265 VAC
- Single, Dual & Triple Outputs, Regulated
- Isolation I/O 3,75K VAC

- Operating Temperature Range -25°C to +85°C
- Optional Output Voltage Vout1 Adjustment +/-10%
- EN60950 / EN 55022 Class B / CE Conformity

MODEL NUMBER	INPUT VOLTAGE RANGE [VAC/ VDC]	Vout1 [VDC]	Iout1 [mA] MAX.	Min. Load Iout1 [A]	Vout2 [VDC]	Iout2 [mA] MAX.	Vout3 [VDC]	Iout3 [mA]	EFF. [%] TYP.
DVA90-265-05S6000RA	90 – 265/ 100 – 375	5	6000	0					82
DVA90-265-12S2500RA		12	2500	0					82
DVA90-265-15S2000RA		15	2000	0					82
DVA90-265-24S1250RA		24	1250	0					82
DVA90-265-D524RDA		5	3000	0,4	+24	600			80

Note:

Other Outputs on request.

Optional:

Vo1 Single Output Voltage Adjustment +/-10%

Operating Temperature Range above -40°C

INPUT SPECIFICATIONS:

Input Voltage.....	90 – 265VAC / 100 – 375VDC
Input Frequency	47 – 400Hz / 0 Hz
Input Transient	(Burst / Surge) 1KV
Hold-up Time.....	Vin 230Vac..... >50 ms

OUTPUT SPECIFICATIONS:

Output Voltage Accuracy.....	Vout1.....	±2,0%
	Vout2.....	±3,0%
Ripple.....	I load=I nom.; BW=1MHz.....	≤1%
Noise.....	I load=I nom.; BW=30MHz.....	≤2%
Temperature Coefficient.....	-25°C ≤ Ta ≤ +70°.....	0,02%/K max.
Response Time.....	(10% - 90%)*Inom.....	≤4ms
Short Circuit Protection.....		continuous
Line Regulation.....	I load = I nom.....	≤0,2%
Load Regulation (I load=(10% - 90%)*Inom).....	Vout1.....	≤0,5%
	Vout2.....	≤3,0%

GENERAL SPECIFICATIONS:

Efficiency.....		see table
Isolation Voltage	Input/Output.....	3,75K VAC
	Vout1/Vout2.....	0,5K VAC
Switching Frequency.....		130 KHz
Operating Temperature Range.....		-25°C to +85°C
Derating above 70°C.....	Other Models.....	2,5%/K
Derating above 60°C.....	DVA90-264-D524RDA.....	2,0%/K
Over Temperature Protection.....	Measured Middle of Case.....	≤100°C
Storage Temperature Range.....		-40°C to +105°C
Cooling.....		Convection
EMI/RFI Conducted.....		EN61000-6-4 (EN55022 Class B)
Input Immunity.....		EN61000-6-2 / EN61000-4-2,-3,-4,-5,-6,-11
Electrical Safety (in Accordance with).....		EN60950
Dimension (L x W x H).....		90 x 66 x 30 (mm)
Case Material.....		PCGF20 (UL94-V0)
Weight.....		340g

Note:

Installation requirement: According to EN60950-1 is mains in the phase line (L) a fuse max. 2 A/T should be.

Proposal:

The DVAC Module should be screwed on the PCB with 2 lens screws (3,5x8). Max. depth: ≤7,5mm !

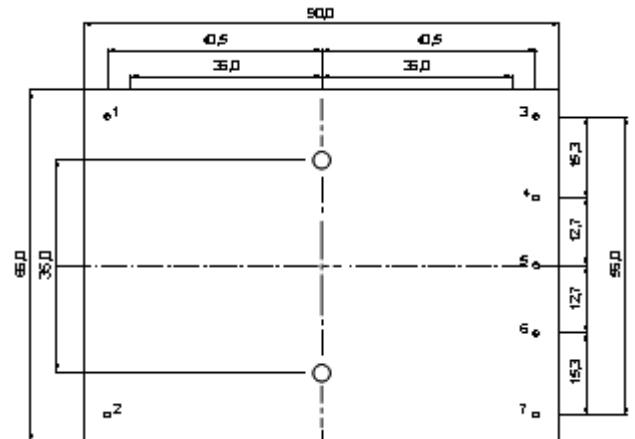
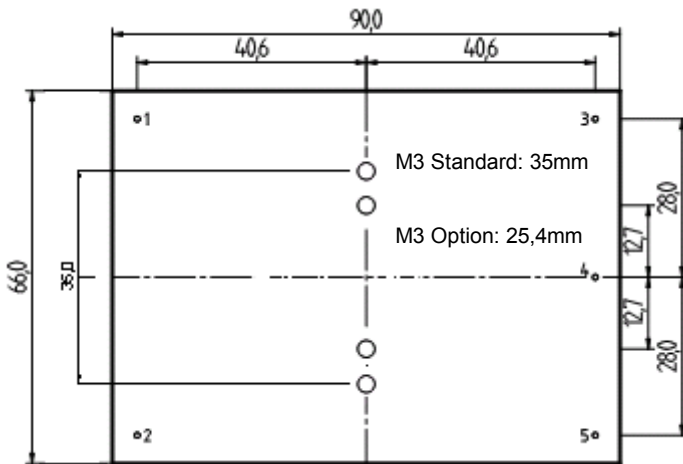
Recommended screw: Lens screw KT-S 3,5x8, cross-recessed.

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

DIMENSION

Series DVA30-R

All Dimensions in mm
Tolerance: mm x.xx = ±0,5



PIN OUT Single	
Pin	RA
1	AC Input
2	AC Input
3	(Option ADJ) NP
4	GND
5	+V Output

NP : No Pin

PIN OUT Dual Asym.	
Pin	RDA
1	AC Input
2	AC Input
3	GND Vout1
4	+Vout1
5	No Pin
6	GND Vout2
7	+Vout2

NP : No Pin