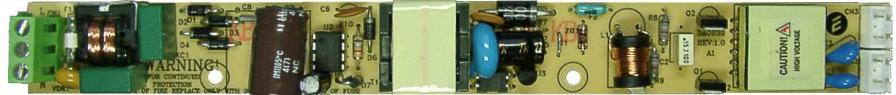


# AC-AC INVERTER UNIT

## PS-DA0239-01(S) ( 10 W DUAL OUTPUTS)

### DESCRIPTION :

This low profile AC to AC Inverter is developed for dual lamps.



### APPLICABLE LCD:

6.4 to 15 inches double lamp type  
 Lamp Voltage 650 Vrms  
 Lamp Current 2 x 7.0 mArms  
 Lamp Start Up Voltage 1.700 Vrms (Vin : 230 Vdc)

### FEATURES :

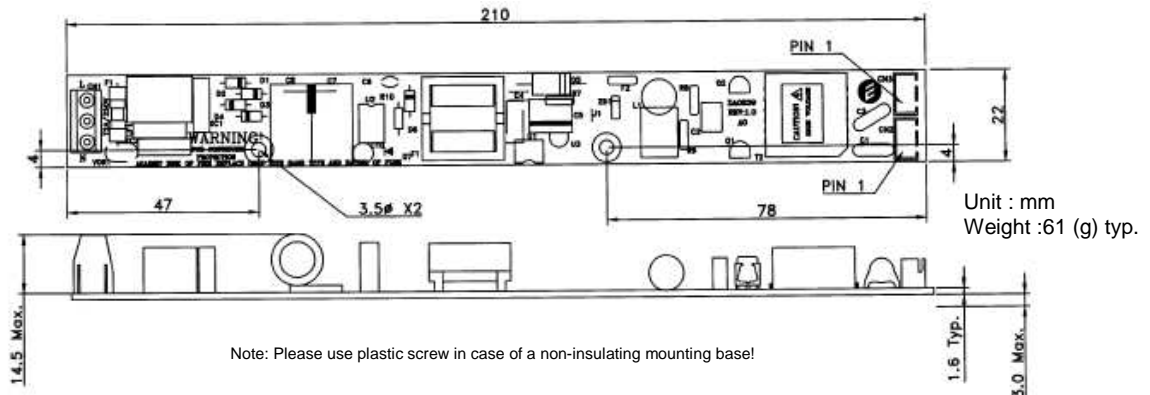
Open Lamp Detection ???  
 Efficiency: 70% Min at nominal Input and full load ???  
 Safety: Meet CE, PSE  
 EMI requirements: CE EN55022 class B, CISPR 22 class B  
 RoHS compliant (S)

### TEMPERATURE & HUMIDITY :

Operating Temperature Range 0°C ~ +40°C  
 Storage Temperature Range -20°C ~ +85°C  
 Humidity 95 %RH max

### DIMENSIONS :

L x W x H 210 x 22 x 16,1 mm



### Components

No.	Part Description	Qty.	Material	Note
1	PCB	1	UL94V-0 (FR-4 or CEM-3)	t=1 mm
2	Connector CN1	1	EK500V-03P	
3	Connector CN2 + CN3	2	B3B-XH-A	JST or equal

### Input side CN1:

Pin No.	Symbols	Ratings
CN 1-1	Vin	90 ~ 264 Vac
CN 1-2	N.C.	
CN 1-3	Neutral	

### Output side CN2:

Pin No.	Symbols	Ratings
CN 2-1	Vhigh	Vrms (7 mArms)
CN 2-2	Vlow	(GND)

### Output side CN3:

Pin No.	Symbols	Ratings
CN 3-1	Vhigh	Vrms (7 mArms)
CN 3-2	Vlow	(GND)

## Power Systems – The Power Solution

Web: [www.Power-Systems.de](http://www.Power-Systems.de)  
 Email: [Info@Power-Systems.de](mailto:Info@Power-Systems.de)

Address: Hauptstr. 48 ; 74360 Ilfeld-Auenstein / Germany  
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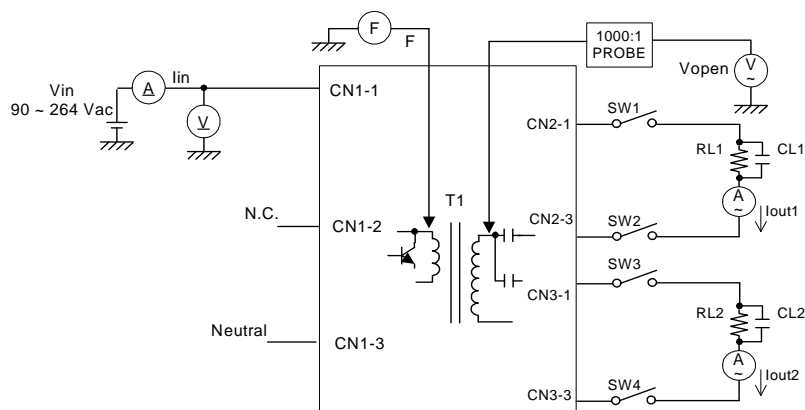
## PS-DA0239-01(S) ( 10 W DUAL OUTPUTS)

### ELECTRICAL CHARACTERISTICS :

Parameters	Symbols	Conditions		Specification			Unit	Note
		Vin (V)	Tu (°C)	Min.	Typ.	Max.		
<b>Output Current</b>	Iout	230	0 ~ +40	6.0	7.0	8.0	mArms	
<b>Input Current</b>	Iin	230	0 ~ +40	-	0.5	-	Aac	
<b>Frequency</b>	F	230	0 ~ +40	27	32	37	kHz	
<b>Open Circuit Voltage</b>	Vopen	230	0 ~ +40	1.500	1.700	1.900	Vrms	

Note 1 : Please keep minimum of 6,3mm clearance (all directions) between inverter high voltage area as marked on mechanical drawing and any conductors.

### TEST CIRCUIT :



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