

PS-DA0290-324-B(S) (6,5W DUAL OUTPUTS WITH DIMMING FUNCTION) (PRELIMINARY INFORMATION)

DC-AC INVERTER UNIT

PS-DA0290-324-B(S) (6,5W DUAL OUTPUTS WITH DIMMING FUNCTION) (PRELIMINARY INFORMATION)

Input side CN1:

Pin No.	Symbols	Ratings
CN 1-1+2	Vin	10.8 ~ 13.2 Vdc
CN 1-3+4	GND	-
CN 1-5	Vrmt	0 ~ 0.4 = OFF / 2.5 ~ Vin = ON
CN 1-6	Vbr1 / Rbr1	0~2.5 Vdc / 0~10 kΩ
CN 1-7	Vbr2 / Rbr2	GND / 0~10 kΩ
CN 1-8	N.C.	(Vst 0 Vdc / 5 Vdc)

Output side CN2

Pin No.	Symbols	Ratings
CN 2-1	Vhigh	370 Vrms (5.0 mArms)
CN 2-2	Vhigh	370 Vrms (5.0 mArms)
CN 2-3	N.C.	-
CN 2-4	Vlow	(GND)

Vst: This is an output pin and it is active high (+5V) if any lamp opens/fails.

ELECTRICAL CHARACTERISTICS :

Parameters	Symbols	Conditions			Specification			Unit	Note
		Vin (V)	Vbr (V)	Tu (°C)	Min.	Typ.	Max.		
Output Current	Iout	10,8 ~ 13,2	0.0	-10 ~ +60	4.5	5.0	5.5	mArms	or Vr = 0Ω
Output Current	Iout	10,8 ~ 13,2	2.5	-10 ~ +60	1.2	1.7	2.2	mArms	or Vr = 10KΩ
Input Current	Iin	10,8 ~ 13,2	0.0	-10 ~ +60	-	0.46	0.70	Adc	
Frequency	F	10,8 ~ 13,2	0.0	-10 ~ +60	50	60	72	kHz	
Open Circuit Voltage	Vopen	10,8 ~ 13,2	0.0	-10 ~ +60	-	1.600	-	Vrms	
No Load Shutdown	Tsd	10,8 ~ 13,2	0.0	-10 ~ +60	-	1.0	-	sec	without load

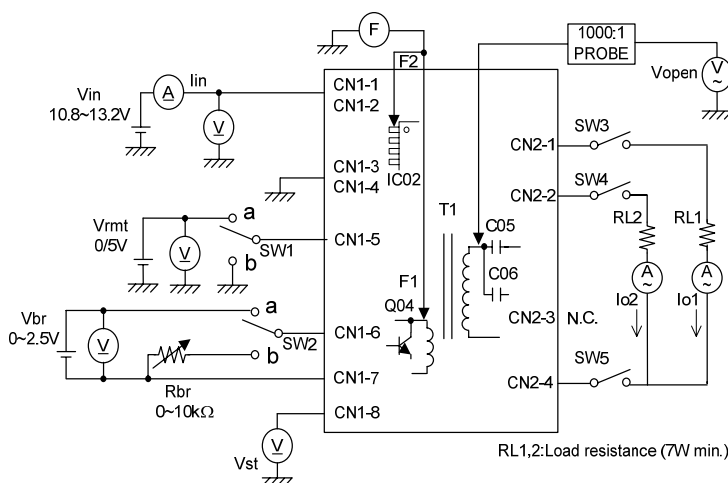
Note 1 : Please keep minimum of 2mm clearance (all directions) between inverter high voltage area as marked on mechanical drawing and any conductors.

Note 2 : Before apply any control signal into inverter please provide Vcc first. Please follow the reversed sequence during power off. Power off control signal first then power off Vcc.

Note 3 : Resistor dimming: 10kΩ – max. luminance.

Note 4 : Option: CCFL – fail signal

TEST CIRCUIT :



Vbr = 0V :brightness max.

Rbr = 10KΩ :brightness max.

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