DC-AC INVERTER UNIT

CXA-P1012-NJL (7W DUAL OUTPUTS WITH NON-DIMMING FUNCTION)

DESCRIPTION :

This low profile DC to AC Inverter is developed for dual lamps, low power LCD back-light. Application includes industrial PC and LCD monitor.

Applicable LCD; 5 to 12 inches double lamp type
Lamp Voltage 600Vrms
Lamp Current 5mArms
Lamp Start Up Voltage 1500Vrms (Vin : 12V)



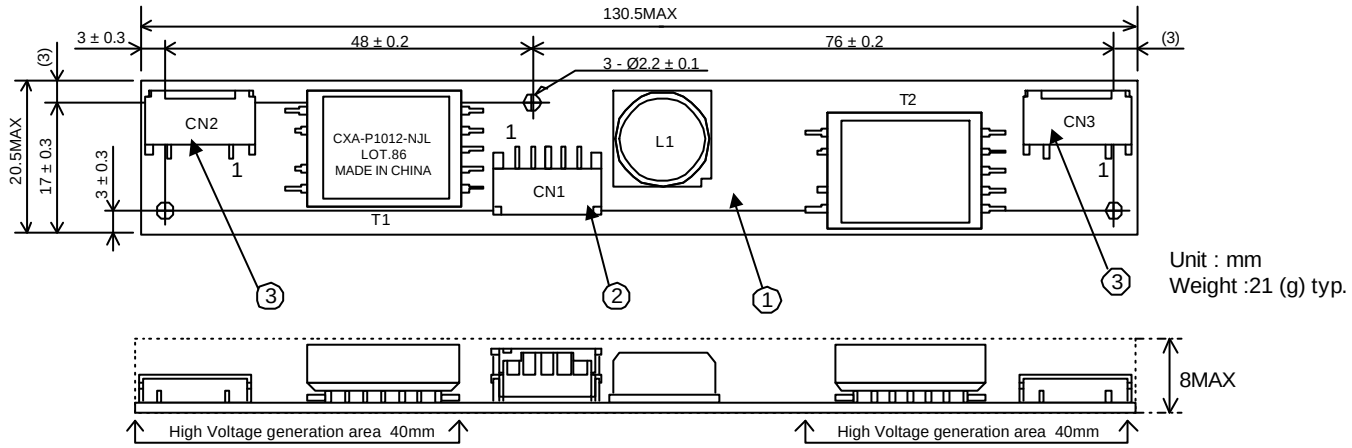
FEATURES :

High Efficiency
Low noise with voltage resonant circuit

TEMPERATURE & HUMDITY :

Operating Temperature Range	-10 °C ~ +60 °C
Storage Temperature Range	-30 °C ~ +85 °C
Humidity	95 %RH max

DIMENSIONS :



Unit : mm
Weight :21 (g) typ.

Note : Please use minimum of 2mm clearance (all directions) between inverter high voltage area (as marked above) and any conductors.

No.	Part Description	Qty.	Note	
1	PWB	1	UL94V-0	t=1.0mm
2	Connector CN1	1	S5B-PH-SM3	(JST)
3	Connector CN2,3	2	SM02(8.0)B-BHS-1	(JST)

CN1 : S5B-PH-SM3 (JST)

Pin	Symbol	Note
CN1-1	Vin	12V
CN1-2	GND	0 V
CN1-3	N.C.	-
CN1-4		
CN1-5		

CN2 : SM02(8.0)B-BHS-1 (JST)

Pin	Symbol	Note
CN2-1	Vhigh1	600Vrms (5mArms)
CN2-2	N.C.	-
CN2-3	Vlow1	(2V)

CN3 : SM02(8.0)B-BHS-1 (JST)

Pin	Symbol	Note
CN3-1	Vhigh2	600Vrms (5mArms)
CN3-2	N.C.	-
CN3-3	Vlow2	(2V)

General Information Tel : +81-3-5201-7206 (Japan)
Tel : +1-847-390-4439 (USA)
Tel : +44-118-921-6206 (EU)

All specification are subject to change without notice.

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ELECTRICAL CHARACTERISTICS :

Parameters	Symbol	Conditions			Specifications			Unit	Note
		Vin (V)	Ta (°C)	RL (kΩ)	min.	typ.	max.		
Output Current	Iout1 / Iout2	12 ± 0.6	-10 ~ +60	110 ~ 130	4.0	5.0	6.0	mArms	
		12 ± 0.12	23 ± 5	120	4.5	5.0	5.5	mArms	
Input Current	Iin	12 ± 0.6	-10 ~ +60	110 ~ 130	-	620	900	mAdc	
Frequency	FL	12 ± 0.6	-10 ~ +60	110 ~ 130	30	37	44	kHz	
Open Voltage	Vopen1 / Vopen2	12 ± 0.6	-10 ~ +60	∞	1400	1500	-	Vrms	

TEST CIRCUIT :

