

**DESCRIPTION :**

This DC to AC Inverter was developed for large size LCD panel as Multiple Media, Replacement of CRT Monitor and other general Purpose.

**APPLICABLE LCD:**

- 11 to 14 inches Double lamps type
- Lamp Voltage 660V
- Lamp Current 6mA



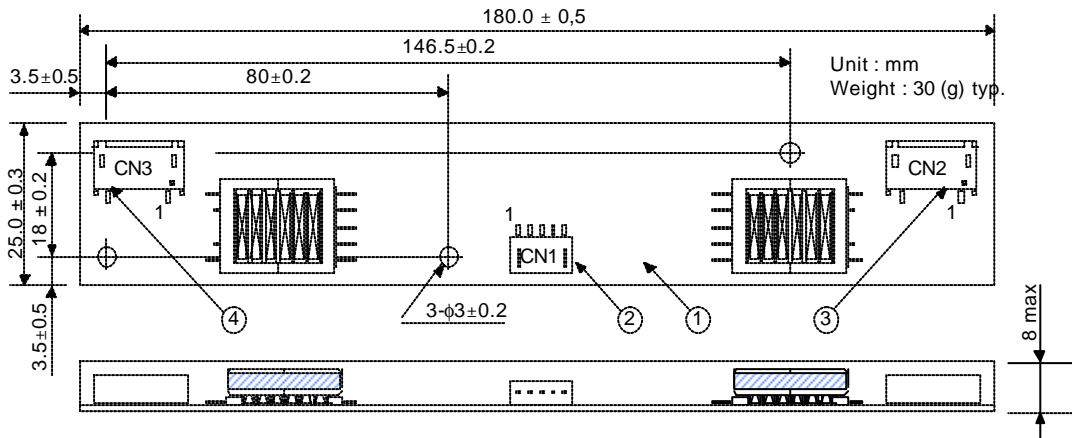
**FEATURES :**

- Current Feedback Circuit
- High Efficiency
- Low noise with voltage resonant circuit
- Regulated output current
- Output Current Feedback Circuit for each Lamp
- 8mm Low Profile.

**TEMPERATURE & HUMDITY :**

- Operating Temperature Range 0 °C ~ +70°C
- Storage Temperature Range -30 °C ~ +85°C
- Humidity 95 %RH max

**DIMENSIONS :**



No.	Part Discription	Qty.	Material	Note
1	PCB	1	UL94V-0 (FR-4 or CEM-3)	t=1 mm
2	Connector CN1	1	S5B-PH-SM3	JST
3	Connector CN2	1	SM02(8.0)B-BHS-1	JST
4	Connector CN3	1	SM02(8.0)B-BHS-1	JST

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# DC-AC INVERTER UNIT

CXA-0217 (7W DUAL OUTPUTS WITH DIMMING FUNCTION)

(PRELIMINARY INFORMATION)

**Input Side CN1:**

Pin No.	Symbols	Ratings
CN 1-1	V <sub>in</sub>	9.6-14.4V
CN 1-2	GND	0V
CN 1-3	V <sub>br</sub>	0~3,4V
CN 1-4	-	N.C.
CN 1-5	V <sub>rmt</sub>	Input 5V 0~0.4V: OFF 5,0~7,0: ON

**Output Side CN2:**

Pin No.	Symbols	Ratings
CN 2-1	V <sub>HIGH1</sub>	660 Vrms
CN 2-2	N.C.	-
CN 2-3	V <sub>LOW1</sub>	(2V)

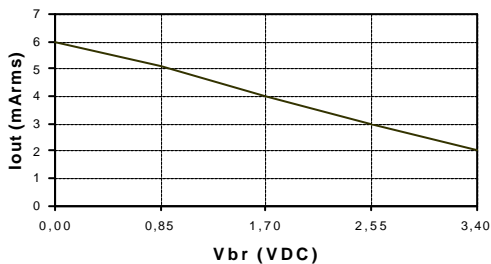
**Output Side CN3:**

Pin No.	Symbols	Ratings
CN 3-1	V <sub>HIGH2</sub>	660 Vrms
CN 3-2	N.C.	-
CN 3-3	V <sub>LOW2</sub>	(2V)

**ELECTRICAL CHARACTERISTICS :**

Items	Symbols	Conditions				Specification			Unit		
		V <sub>in</sub> (V)	V <sub>rmt</sub> (V)	V <sub>br</sub> (V)	T <sub>a</sub> (°C)	RL1 (KW) / RL2 (KW)	Min.	Typ.		Max.	
Output Current	I <sub>out1/2</sub>	12±2.4	5~7	0	0~70	76~114	5.3	6.0	6.7	mArms	
		12±1.2				95±0.5	5.5	6.0	6.5		
Input Current	I <sub>in</sub>	12±2.4		0~3.4		0	76~114	-	0.76	1.3	A DC
		12±1.2						-	0.76	1.2	
Frequency	F	12±2.4		0		0	95	52	58	64	kHz
		12±1.2						52	58	64	
Open Circuit Voltage	V <sub>open</sub>	12±2.4		0~3.4		0	∞	1400	1500	2000	Vrms
		12±1.2						1400	1500	2000	
Dimming Function	I <sub>out1/2</sub>	12±2.4		3.4		3.4	250	1.65	2.0	2.45	mArms
		12±1.2						1.7	2.0	2.4	
CN1-3 Impedance	-	Between CN1-2 and CN1-3 Impedance				-	11	-	kW		
Insulation Resistance	-	Between Input and PCB not pattern DC500V				100	-	-	MW		
Dielectric Strength	-	Between Input and PCB not pattern. Trip current 10mA for 1min.				1	-	-	kVrms		

**DIMMING CHARACTERISTICS (Reference)**



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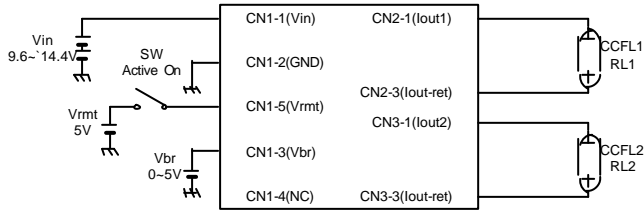
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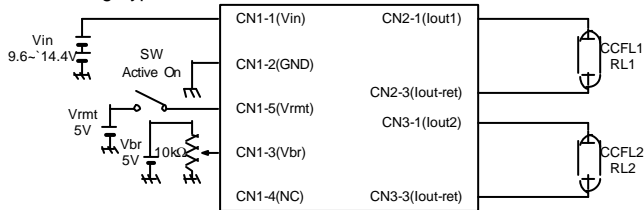
(PRELIMINARY INFORMATION)

## APPLICATION (for example)

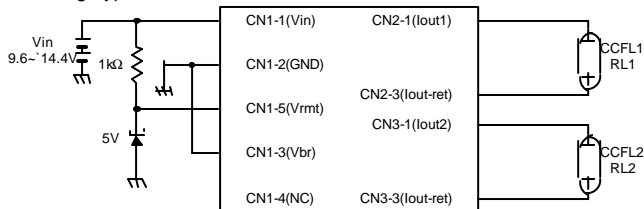
Voltage Dimming Type



Resistor Dimming Type



None Dimming Type



## TEST CIRCUIT

