**DESCRIPTION :**

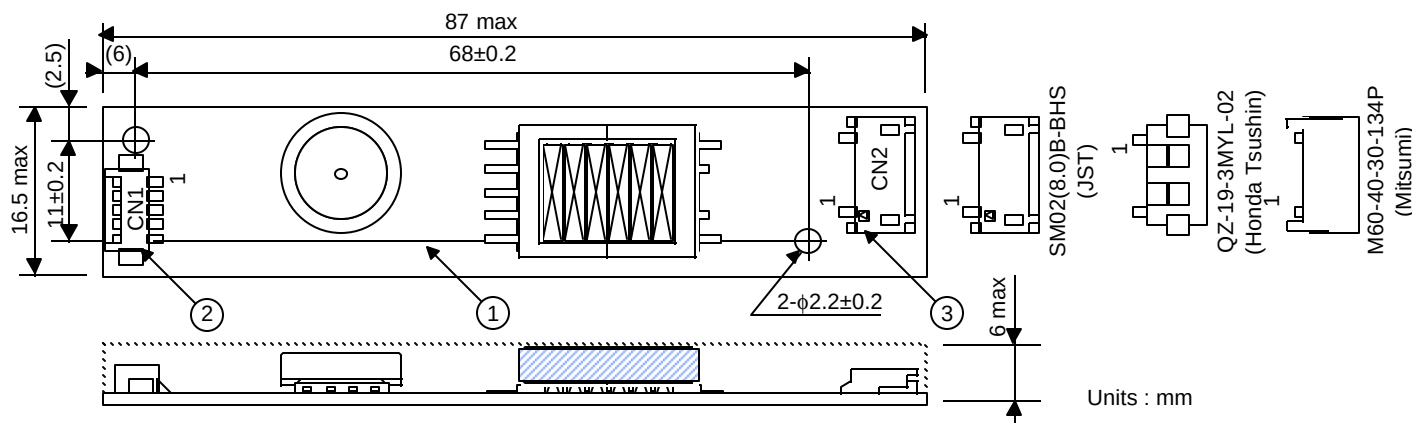
This DC to AC Inverter was developed for notebook computer and many other low profile applications.

FEATURES :

- Current Feedback Circuit
- High Efficiency
- Low noise with voltage resonant circuit
- Regulated output current
- Fuse protection
- Open load protection

**TEMPERATURE & HUMIDITY :**

- Operating Temperature Range 0 °C ~ +50°C
- Storage Temperature Range -30 °C ~ +85°C
- Humidity 95 %RH max

DIMENSIONS :

No.	Part Description	Qty.	Note	Item
1	PWB	1	UL94V-0 t=0.8mm	
2	Connector CN1	1	53261-0510 (Molex)	
3	Connector CN2	1	SM02(8.0)B-BHS (JST)	CXA-K0505-VJL,-VJR
			QZ-19-3MYL-02 (Honda)	CXA-K0505-VHL,-VHR
			M60-40-30-134P (Mitsumi)	CXA-K0505-VML,-VMR

CN1 : 53261-0510 (Molex)

Pin	Symbol	Note
CN1-1	Vin	4.5~12 Vdc
CN1-2	GND	0 Vdc
CN1-3	Vrmt	0 / 5 Vdc (H active)
CN1-4	Vbr	0 ~3 Vdc
CN1-5	N.C.	

CXA-K0505-VJR

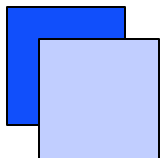
CN2 : SM02(8.0)B-BHS (JST)

Pin	Symbol	Note
CN2-1	Iout-ret	(2V)
CN2-2	N.C.	
CN2-3	Iout	2~6mArms

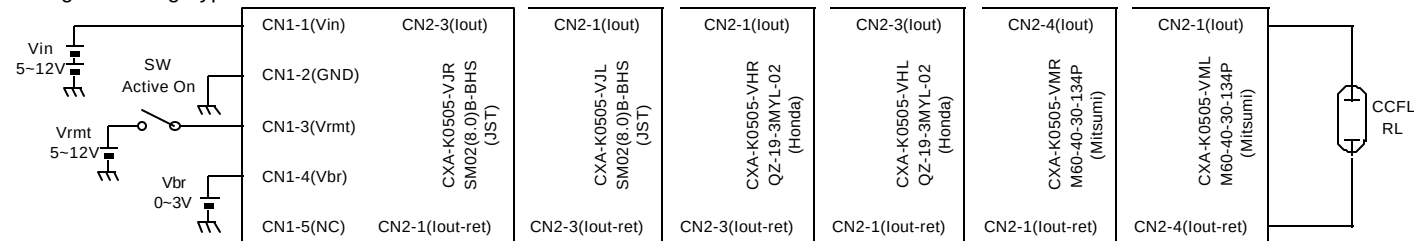
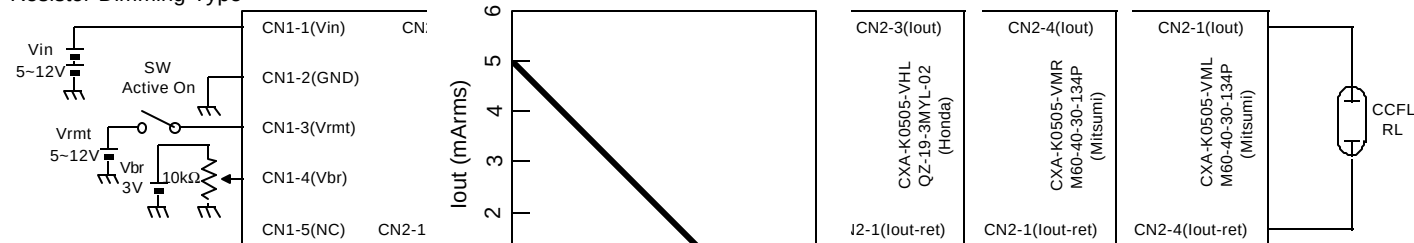
CXA-K0505-VJL

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

Pin	Symbol	Note
CN2-1	Iout	2~5mArms
CN2-2	N.C.	
CN2-3	Iout-ret	(2V)

**ELECTRICAL CHARACTERISTICS :**

Input Voltage	Vin	Note				
	(Vdc)					
	5~12					
Output Current	Vin	Vbr	RL	Ta	Iout	Note
	(Vdc)	(Vdc)	(kΩ)	(°C)	(mA _{rms})	
Max. Brightness	5~12	0	60 ~ 80	0 ~ 50	4.1~5.9	
Max. Brightness	5	0	70	23 ± 5	4.5~5.5	
Min. Brightness	5	3	70	23 ± 5	1.5~2.5	
Input Current	Vin	Vbr	RL	Ta	Iin	Note
	(Vdc)	(Vdc)	(kΩ)	(°C)	(Adc)	
	5~12	0 ~ 3	60 ~ 80	0 ~ 50	max. 1.5	
Frequency	Vin	Vbr	RL	Ta	FL	Note
	(Vdc)	(Vdc)	(kΩ)	(°C)	(kHz)	
	5~12	0 ~ 3	60 ~ 80	0 ~ 50	35 ~ 55	
Open Voltage	Vin	Vbr	RL	Ta	Vopen	Note
	(Vdc)	(Vdc)	(kΩ)	(°C)	(V _{rms})	
	5~12	0 ~ 3	∞	0 ~ 50	min. 900	

APPLICATION (for example)**Voltage Dimming Type****Resistor Dimming Type****None Dimming Type**