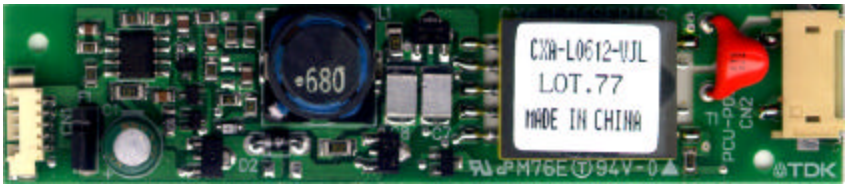
DC-AC INVERTER UNIT

CXA-L0612 SERIES (4.0W SINGLE OUTPUT WITH DIMMING FUNCTION) (STANDARD)

DESCRIPTION :

This DC to AC Inverter was developed for notebook computer and many other low LCD Backlight power supply as low profile applications, either for Note Book PC or Industrial.

Applicable LCD; 10 to 12 inches single lamp type
Lamp Voltage 600V
Lamp Current 6mA



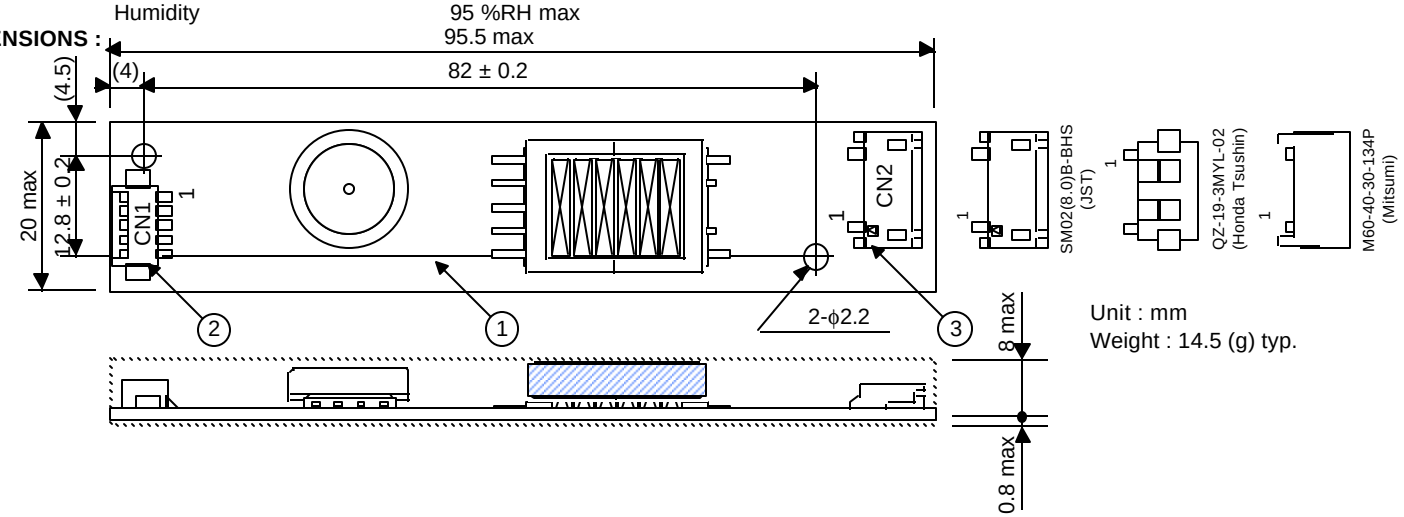
FEATURES :

Current Feedback Circuit
High Efficiency
Low noise with voltage resonant circuit
Regulated output current

TEMPERATURE & HUMIDITY :

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

DIMENSIONS :



Unit : mm
Weight : 14.5 (g) typ.

No.	Part Description	Qty.	Note		Item
1	PWB	1	UL94V-0	t=1mm	
2	Connector CN1	1	53261-0510	(Molex)	
3	Connector CN2	1	SM02(8.0)B-BHS	(JST)	CXA-L0612-VJR, CXA-L0612-VJL
			QZ-19-3MYL-02	(Honda)	CXA-L0612-VHR, CXA-L0612-VHL
			M60-40-30-134P	(Mitsumi)	CXA-L0612-VMR, CXA-L0612-VML

CN1 : 53261-0510 (Molex)

Pin	Symbol	Note
CN1-1	Vin	8 ~ 16 Vdc
CN1-2	GND	0 Vdc
CN1-3	Vrmt	0 / 5~15 Vdc (H active)
CN1-4	Vbr	0 ~3 Vdc
CN1-5	N.C.	

CXA-L0612-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-L0612-VJL
CN2 : SM02(8.0)B-BHS (JST)

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

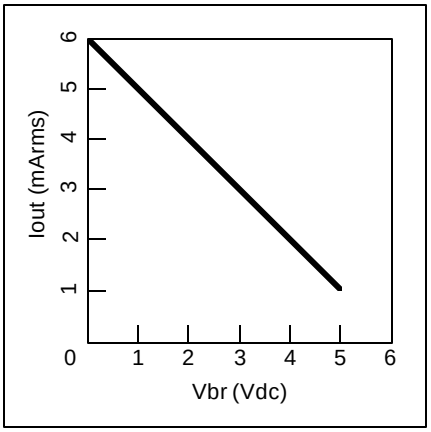
General Information Tel : (03) 5201-7229 (Japan)
Tel : (847) 390-4454 (USA)
Technical Information Tel : (473) 78-9664 (Japan)
Tel : (847) 699-2299 (USA)

All specification are subject to change without notice.

CXA-L0612 SERIES (4.0W SINGLE OUTPUT WITH DIMMING FUNCTION) (STANDARD)

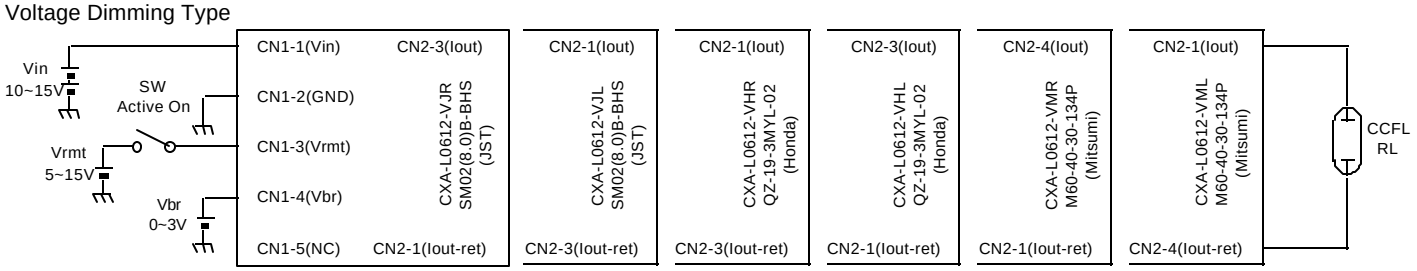
ELECTRICAL CHARACTERISTICS :

Parameter	Symbol	Conditions			Specifications			Unit	Note
		Vin (V)	Vbr (V)	Ta (ºC)	RL (kΩ)	min.	typ.	max.		
Output Current	Iout	10 ~ 15	0	0 ~ 50	90 ~ 110	5.4	6.0	6.6	mArms	Max. Brightness
		12		23 ± 5	100	5.4	6.0	6.6		
			3		226	2.7	3.0	3.3		Min. Brightness
Input Current	Iin	10 ~ 15	0 ~ 3	0 ~ 50	90 ~ 110	-	0.4	0.73	Adc	
Frequency	FL					35	45	55	kHz	
Open Voltage	Vopen				∞	1300	1500	-	Vrms	

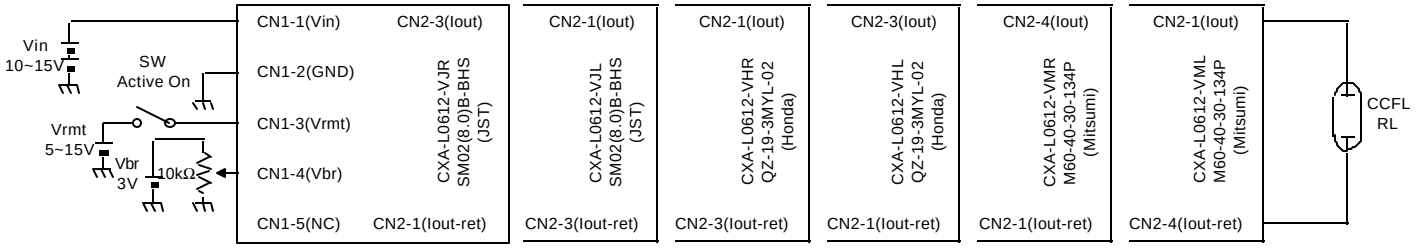


APPLICATION (for example)

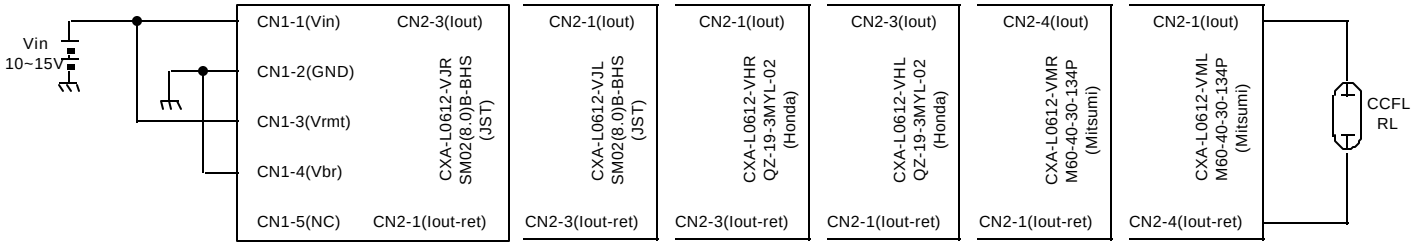
Voltage Dimming Type



Resistor Dimming Type



None Dimming Type



General Information Tel : (03) 5201-7229 (Japan)
Tel : (847) 390-4454 (USA)
Technical Information Tel : (473) 78-9664 (Japan)
Tel : (847) 699-2299 (USA)

All specification are subject to change without notice.