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[TDK Corporation](#)

[CXA-L0612-VJL](#)

For any questions, you can email us directly:

sales@integrated-circuit.com

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 :

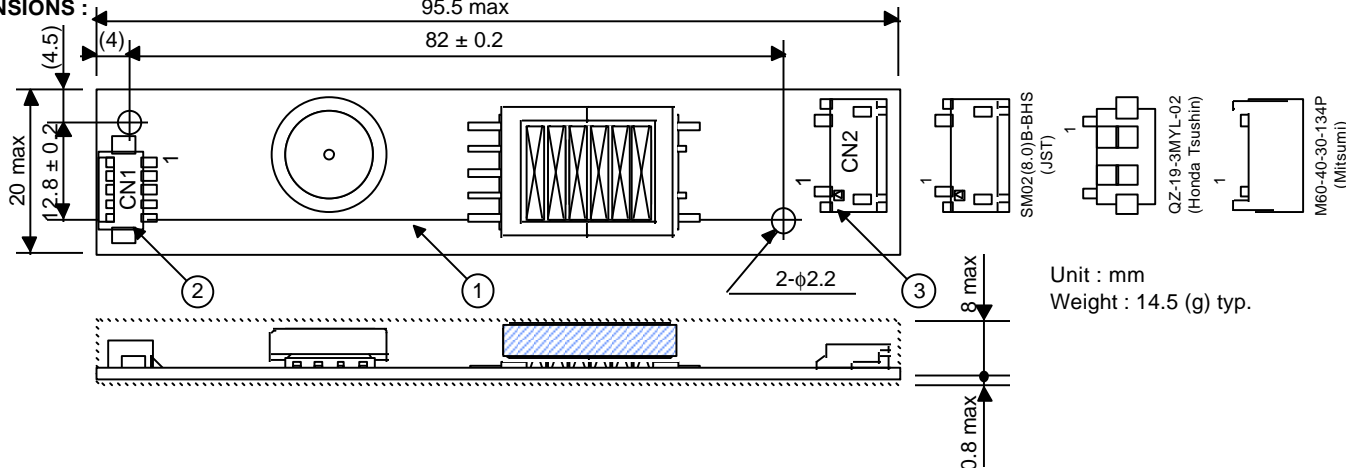
- Current Feedback Circuit
- High Efficiency
- Low noise with voltage resonant circuit
- Regulated output current



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	lout-ret	(2V)
CN2-2	N.C.	
CN2-3	lout	2~6mArms

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

Pin	Symbol	Note
CN2-1	lout	2~6mArms
CN2-2	N.C.	
CN2-3	lout-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.

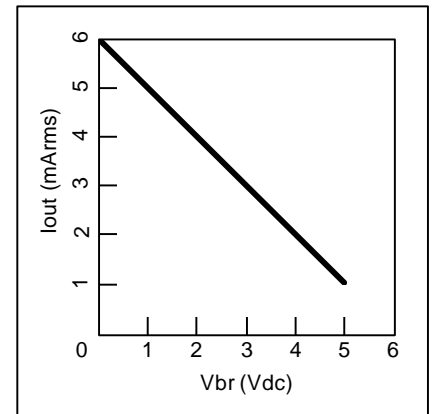
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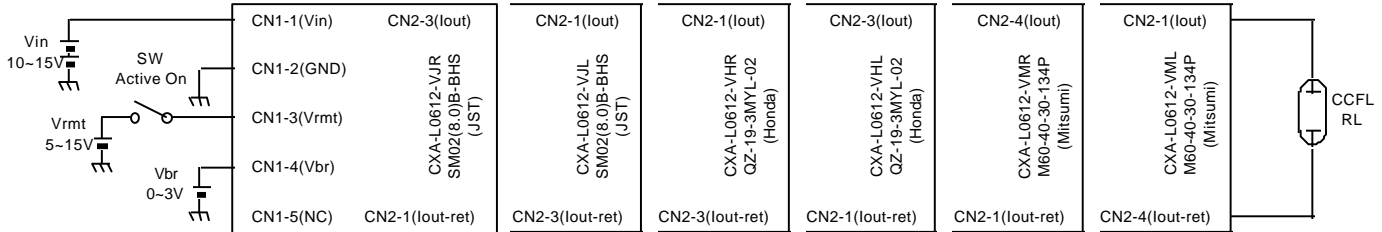
ELECTRICAL CHARACTERISTICS :

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

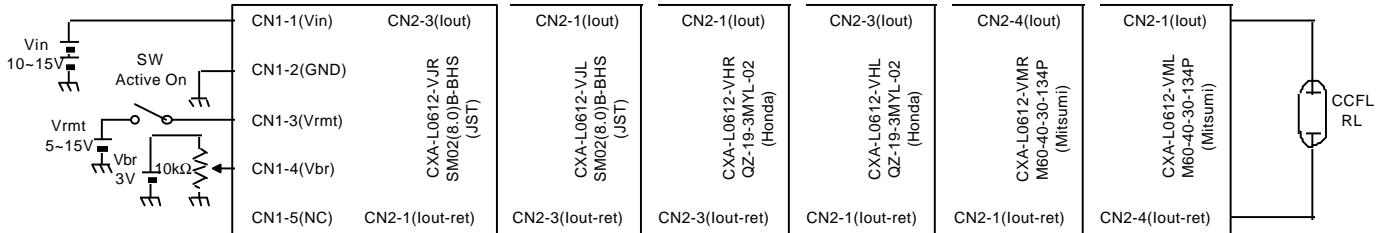


APPLICATION (for example)

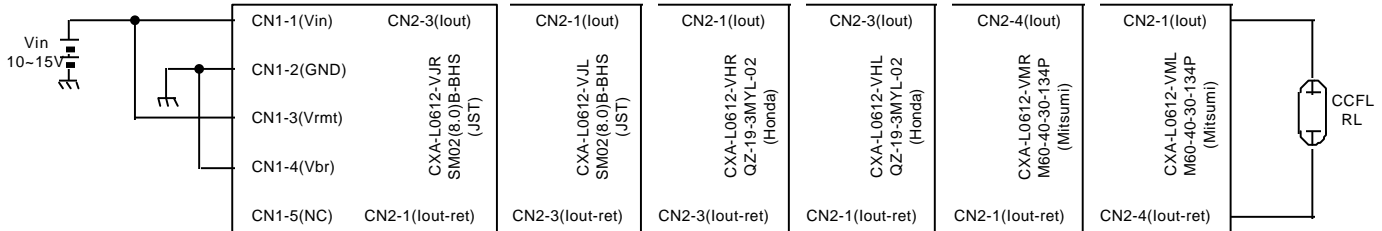
Voltage Dimming Type



Resistor Dimming Type



None Dimming Type



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