Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!

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Tel: +86-755-8981 8866 Fax: +86-755-8427 6832
Email & Skype: info@chipsmall.com Web: www.chipsmall.com
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China

On-board type, Non-dimming, 8.4W, For 1 and 2 bulbs

TDK DC-AC Inverter

CXA-M14L-P

FEATURES

- The CXA-M14L-P inverter for 2-cold cathode fluorescent lamps supports a wide range of CCFL devices and is characterized by highly stable output current.
- Employing a resonance-type push-pull circuit, this inverter delivers sine wave output with very low noise levels.
- Through the use of four different connection methods and combinations of 1 and 2 lamps, different output currents can be selected.
- Compact, lightweight printed circuit board design.
- High efficiency (typically 80%).
- Safe design that includes a built-in overcurrent protection element.

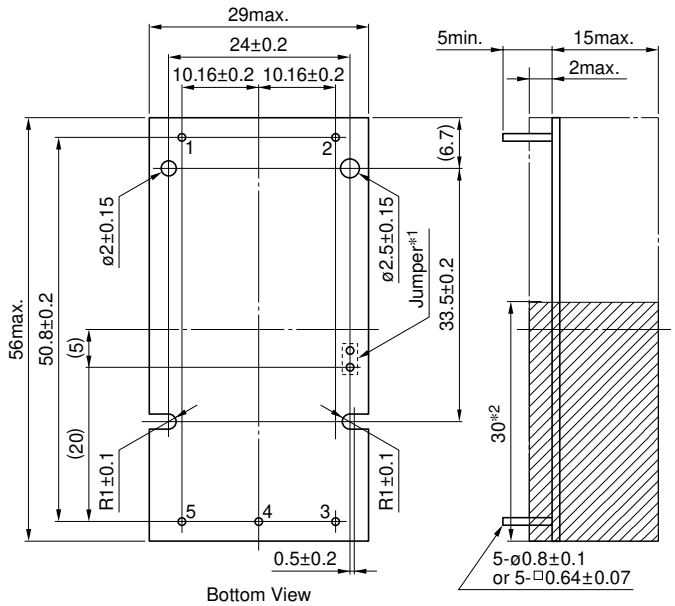
APPLICATIONS

Industrial and other equipment employing LCD panels, products employing small lamps, information terminal devices

TEMPERATURE AND HUMIDITY RANGES

Temperature range (°C)	Operating	–10 to +60
	Storage	–20 to +85
Humidity range(%)RH		95max. [Maximum wet-bulb temperature 38°C]

SHAPES AND DIMENSIONS



Bottom View

*1 Terminal numbers 2 and 5 are connected by the jumper. Cut this jumper to let the secondary side float with respect to the primary side.

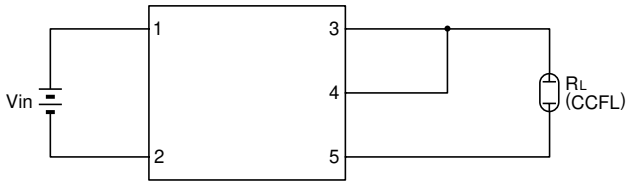
*2 High-voltage generator (The entire surface within a range of 30mm away from the end of the base in the output)

Weight: 21g typ.

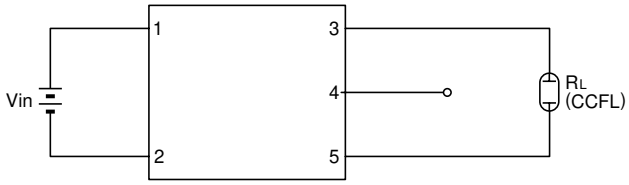
Dimensions in mm

CIRCUIT DIAGRAMS

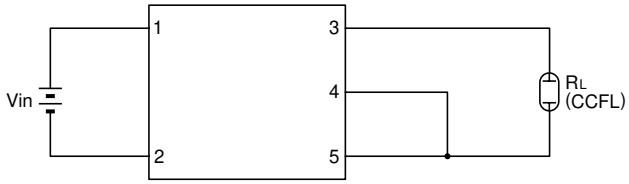
CONNECTION A



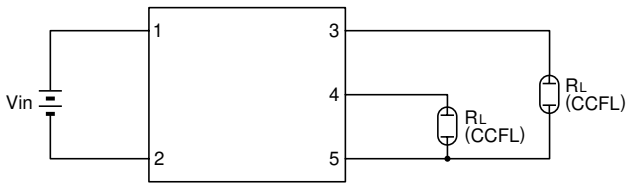
CONNECTION B



CONNECTION C



CONNECTION D



TERMINAL NUMBERS AND FUNCTIONS

Terminal No.	Functions		Symbol
1	Input voltage Edc	0 to 14.4V 12V[nom.]	Vin
2		0V	GND
3	Output 1 [High voltage] Irms	7mA	V_{HIGH1}
4	Output 2 [High voltage] Irms	7mA	V_{HIGH2}
5	Output[Low voltage]	0V	V_{LOW}

On-board type, Non-dimming, 8.4W, For 1 and 2 bulbs

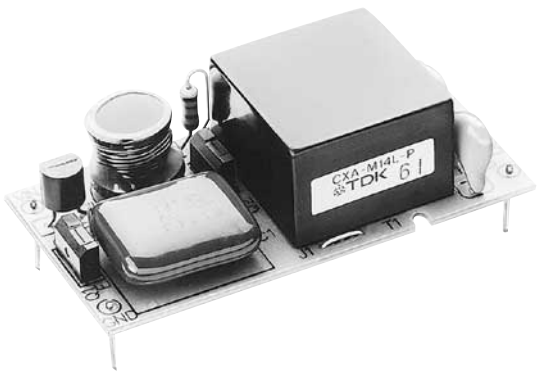
TDK DC-AC Inverter

CXA-M14L-P

ELECTRICAL CHARACTERISTICS

12V INPUT TYPE/CXA-M14L-P

Connections	Items	Unit	Symbol	Specifications			Conditions		
				min.	typ.	max.	Vin(V)	Ta(°C)	R_L(kΩ)
A	Output current Irms	mA	Iout	12.6	14	15.4	12±1%	23±5	28.5
				11.2	14	16.8	12±5%	–10 to +60	21.5 to 35.5
	Input current Idc	A	Iin	—	0.57	0.86	12±5%	–10 to +60	21.5 to 35.5
	Oscillation frequency	kHz	F_L	23	28	33	12±5%	–10 to +60	21.5 to 35.5
	Open circuit output voltage Erms	V	Vopen	1300	1500	—	12±5%	–10 to +60	∞
	Output power	W	Pout	—	—	8.4	12±5%	–10 to +60	—
B	Output current Irms	mA	Iout	7	8	9	12±1%	23±5	50
				6.2	8	9.8	12±5%	–10 to +60	37.5 to 62.5
	Input current Idc	A	Iin	—	0.36	0.54	12±5%	–10 to +60	37.5 to 62.5
	Oscillation frequency	kHz	F_L	27	32	37	12±5%	–10 to +60	37.5 to 62.5
	Open circuit output voltage Erms	V	Vopen	1300	1500	—	12±5%	–10 to +60	∞
	Output power	W	Pout	—	—	4.8	12±5%	–10 to +60	—
C	Output current Irms	mA	Iout	6.1	7	7.9	12±1%	23±5	57
				5.4	7	8.6	12±5%	–10 to +60	43 to 71
	Input current Idc	A	Iin	—	0.33	0.5	12±5%	–10 to +60	43 to 71
	Oscillation frequency	kHz	F_L	23	28	33	12±5%	–10 to +60	43 to 71
	Open circuit output voltage Erms	V	Vopen	1300	1500	—	12±5%	–10 to +60	∞
	Output power	W	Pout	—	—	4.2	12±5%	–10 to +60	—
D	Output current Irms	mA	Iout1	6.3	7	7.7	12±1%	23±5	57
			Iout2	6.3	7	7.7	12±1%	23±5	57
			Iout1	5.6	7	8.4	12±5%	–10 to +60	43 to 71
			Iout2	5.6	7	8.4	12±5%	–10 to +60	43 to 71
	Input current Idc	A	Iin	—	0.57	0.86	12±5%	–10 to +60	43 to 71
	Oscillation frequency	kHz	F_L	23	28	33	12±5%	–10 to +60	43 to 71
	Open circuit output voltage Erms	V	Vopen	1300	1500	—	12±5%	–10 to +60	∞
	Output power	W	Pout	—	—	4.2×2	12±5%	–10 to +60	—



TDK