

DC to AC Inverters

Conformity to RoHS Directive

Connector type, Non-dimming, 7W, for 2 Bulbs

CXA Series CXA-P1012-NJL

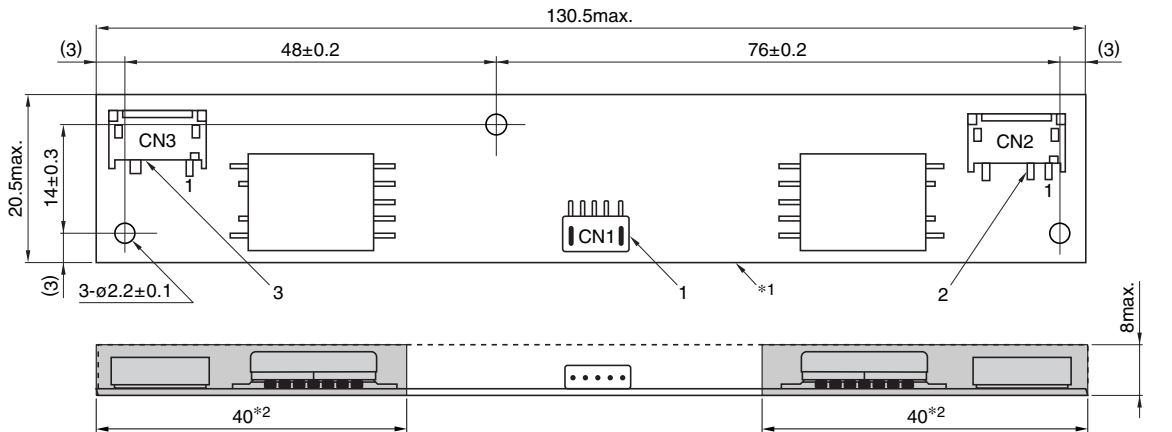
FEATURES

- The CXA-P1012-NJL series inverters support a wide range of CCFL devices and are characterized by highly stable output current.
- Employing a resonance-type push-pull circuit, these inverters deliver sine wave output with very low noise levels.
- Insulation is simplified due to flat backside surface of board.
- Safe design that includes a built-in overcurrent protection element.
- It is a product conforming to RoHS directive.

TEMPERATURE AND HUMIDITY RANGES

Temperature range (°C)	Operating	0 to +60
	Storage	−30 to +85
Humidity range(%)RH		95max.
		[Maximum wet-bulb temperature 38°C]

SHAPES AND DIMENSIONS



*1 Substrate(PWB: Printed wiring board): Flame retardant material UL94V-0(FR-4 or CEM-3) $t=1\text{mm}$

Weight: 21g typ.

*2 : High-voltage generator (The entire surface within a range of 40mm away from the end of the base in the output)

Dimensions in mm

	Connector manufacturer's company and type			Symbol
1	Input connector	Japan Solderless Terminal Co., Ltd.	S5B-PH-SM3	CN1
2	Output connector	Japan Solderless Terminal Co., Ltd.	SM02(8.0)B-BHS-1	CN2
3	Output connector	Japan Solderless Terminal Co., Ltd.	SM02(8.0)B-BHS-1	CN3

TERMINAL NUMBERS AND FUNCTIONS

CN1

Terminal No.	Functions		Symbol
CN1-1	Input voltage Edc	11.4 to 12.6V 12V[nom.]	V _{in}
CN1-2		0V	GND
CN1-3	—	—	N.C.
CN1-4	—	—	N.C.
CN1-5	—	—	N.C.

CN2

Terminal No.	Functions		Symbol
CN2-1	Output 1[High voltage] I _{rms}	5mA	V _{HIGH1}
CN2-2	—	—	N.C.
CN2-3	Output 1[Low voltage]	(2V)	V _{LOW1}

CN3

Terminal No.	Functions		Symbol
CN3-1	Output 2[High voltage] I _{rms}	5mA	V _{HIGH2}
CN3-2	—	—	N.C.
CN3-3	Output 2[Low voltage]	(2V)	V _{LOW2}

- Conformity to RoHS Directive: This means that, in conformity with EU Directive 2002/95/EC, lead, cadmium, mercury, hexavalent chromium, and specific bromine-based flame retardants, PBB and PBDE, have not been used, except for exempted applications.

- All specifications are subject to change without notice.

CXA-P1012-NJL

ELECTRICAL CHARACTERISTICS

Items	Unit	Symbol	Specifications			Conditions		
			min.	typ.	max.	Vin(V)	Ta(°C)	RL(kΩ)
Output current Irms	mA	Iout1	4.5	5	5.5	12±1%	23±5	120
		Iout2	4.5	5	5.5	12±1%	23±5	120
		Iout1	4	5	6	12±5%	-10 to +60	110 to 130
		Iout2	4	5	6	12±5%	-10 to +60	110 to 130
Input current Idc	A	Iin	—	0.62	0.9	12±5%	-10 to +60	110 to 130
Oscillation frequency	kHz	FL	30	37	44	12±5%	-10 to +60	110 to 130
Open circuit output voltage Erms	V	Vopen	1400	1500	—	12±5%	-10 to +60	∞
Output power	W	Pout	—	—	7	12±5%	-10 to +60	110 to 130

TYPICAL CONNECTION

