

INVERTERS

Input voltage Edc: 9.6 to 14.4V, for 2-cold cathode fluorescent lamp
CXA series

CXA SERIES • CXA-M1212-VJL

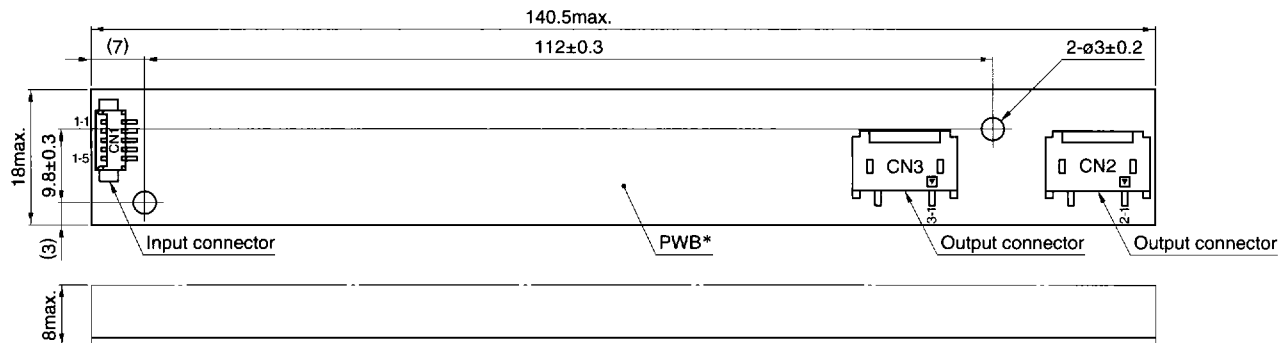
FEATURES

- Equipped with a dimmer.
- Adopt an output current control method, fluctuations in the input voltage, load and distributed capacity have almost no influence on the brightness.
- There is no damage, heat generation, or other problems caused by open circuit output or short circuiting.
- Safe, built-in fuse design.
- The bottom of the board has a flat structure to make insulating easier.
- Perfect for the 5 to 8 inch class LCD panels.

TEMPERATURE AND HUMIDITY RANGES

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

SHAPES AND DIMENSIONS



*Substrate (PWB: Printed wiring board): Inflammable material UL94V-0 t=1mm

Weight: 15.5g typ.
Dimensions in mm

Terminal No.	Connector manufacturer and type name	No. of connector pin
CN1	Molex Japan Co., Ltd. 53261-0510	5
CN2	Japan Solderless Terminal Co., Ltd. SM02(8.0)B-BHS-1	3
CN3	Japan Solderless Terminal Co., Ltd. SM02(8.0)B-BHS-1	3

TERMINAL NO. AND FUNCTIONS

CN1

Terminal No.	Functions
CN1-1	+Vin
CN1-2	−Vin (GND)
CN1-3	Vrmt (Remote operation voltage: DC. 5 to 14.4V)
CN1-4	VR (50kΩ for dimmer)
CN1-5	

CN2

Terminal No.	Function
CN2-1	Vout1
CN2-2	NC
CN2-3	Vout

CN3

Terminal No.	Functions
CN3-1	Vout2
CN3-2	NC
CN3-3	Vout



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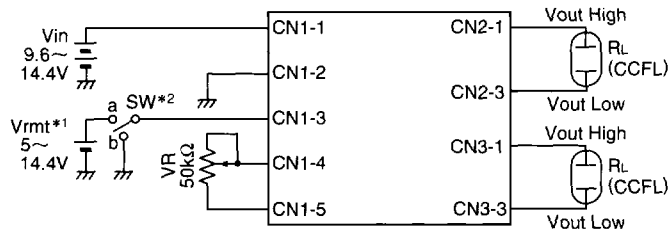
ELECTRICAL CHARACTERISTICS

Items	Terminal	Specifications			Conditions				Brightness	
		min.	typ.	max.	Vin(V)	VR(kΩ)	Ta(°C)	RL(kΩ)		
Output current	Irms(mA)	Vout1 *1	5.3	6	6.7	9.6 to 14.4	50	0 to +60	50 to 70	Maximum
		Vout2*2	5.3	6	6.7	9.6 to 14.4	50	0 to +60	50 to 70	Maximum
		Vout1	5.5	6	6.5	12	50	23±5	60	Maximum
		Vout2	5.5	6	6.5	12	50	23±5	60	Maximum
		Vout1	1.7	2	2.3	12	0	23±5	180	Minimum
		Vout2	1.7	2	2.3	12	0	23±5	180	Minimum
Input current	I _{dc} (A)	—	0.47	0.75	9.6 to 14.4	0 to 50	0 to +60	50 to 70		
Oscillation frequency	(kHz)	33	39	45	9.6 to 14.4	50	0 to +60	50 to 70		
Open circuit output voltage	E _{rms} (V)	1400	1500	—	9.6 to 14.4	0 to 50	0 to +60	∞		

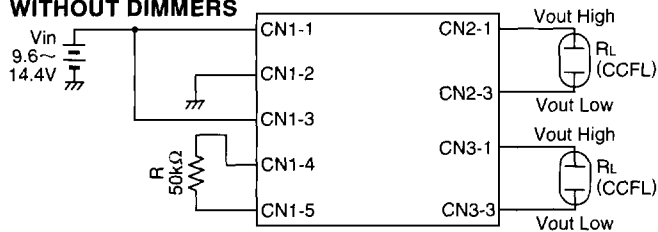
*1:CN2-1/3, *2:CN3-1/3.

TYPICAL CONNECTIONS

DIMMER WITH RESISTANCE CHANGE



WITHOUT DIMMERS

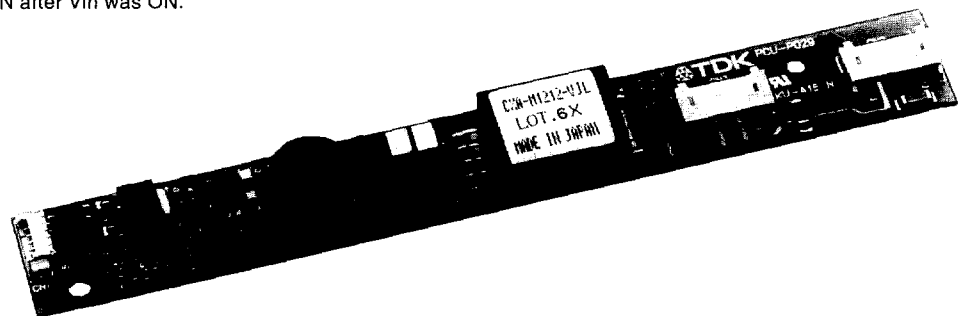
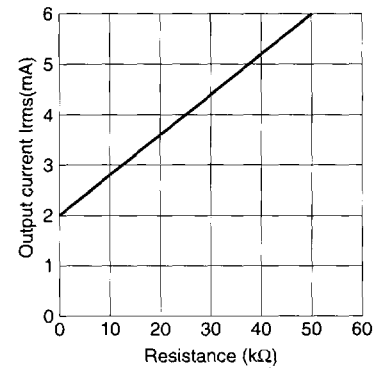


*1 Vrmt (remote voltage) shall be ON after V_{in} was ON.

*2 SW a: ON, b: OFF

TYPICAL ELECTRICAL CHARACTERISTICS

OUTPUT CURRENT vs. RESISTANCE CHANGE



Specifications which provide more details for the proper and safe use of the described product are available upon request.

All specifications are subject to change without notice.