

# CXA-L0605A-VJL/CXA-L0605A-VSL

Dimming/Connector Type

## Features

- 1 output
- Usable in a wide range of temperatures
- Applicable panel size\*: 3 to 15 inches
- With brightness control function (Current dimming).
- In the high-voltage generator (a terminal and a pattern), an anti-dust measure by silicone application is taken.  
(Notice) Applicable panel size becomes a standard.

## Applications



DC-AC Inverter

Connector type/1 output

## CXA-L0605A-VJL / CXA-L0605A-VSL Specifications (Please refer to each specification before use)

### Electrical Characteristics

Item	Unit	Symbol	Specification			Condition					Remarks
			min	typ	max	Vin(V)	Vrmt(V)	Vbr(V)	Ta(°C)	RL(kΩ)	
Output Current	mArms	Iout (Maximum dimmer)	5.4	6	6.6	5±0.5	5	0	23±5	100	(*1)
			5.3	6	6.7	5±0.5	5	0	-20 to +75	90 to 110	(*1)
		Iout (Minimum dimmer)	2.3	2.9	3.5	5±0.5	5	3	23±5	100	(*1)
Input Current	A	Iin	-	1.2	1.5	5±0.5	5	0	-20 to +75	100	Remote ON
Oscillatory Frequency	kHz	Freq	50	55	60	5±0.5	5	0	-20 to +75	90 to 110	
Open Circuit Voltage	Vrms	Vopen	1600	1800	-	5±0.5	5	0	-20 to +75	∞	Open load

(\*1) Please refer to the connection diagram for details of a dimming method.

### Other Specifications

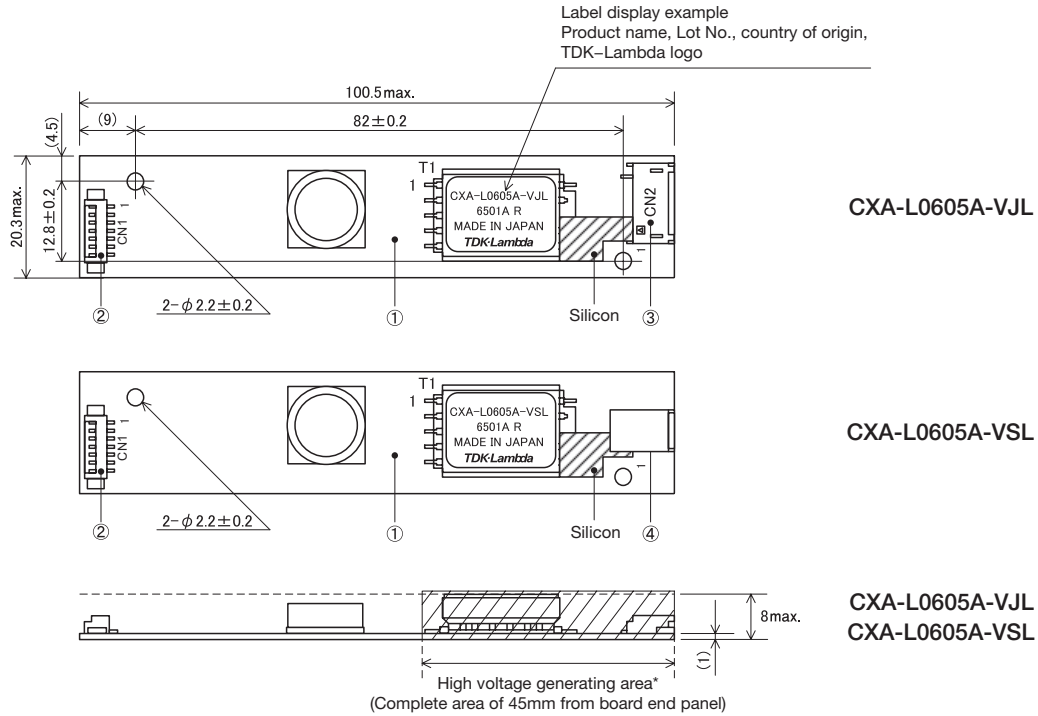
Dimming Function		Yes
Operating Temperature	°C	-20 to +75
Storage Temperature	°C	-30 to +85
Operating Humidity Ratio	RH%	95max.
Safety Standard		-
Weight	g	14typ.
Dimensions (WxDxH)	mm	100.5x20.3x8.0 (*2)
Fused Input		Yes
Remote ON / OFF		Yes
Alarm Signal Function		No
Shutdown Function		No
Silicone Coating on High Voltage Area		Yes

(\*2) These dimensions are indicated the maximum.

## 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.

# Outline Drawing



CXA-L0605A-VJL

CXA-L0605A-VSL

CXA-L0605A-VJL  
CXA-L0605A-VSL

Unit: mm

\*From high-voltage generator, please secure space distance more than 3mm in top and bottom right and left.

## Connector

No.	Component name	Type name	Qty	Manufacturer	Recommended suitable connector	Remarks
①	Printed circuit board PCB	Composite (CEM-3)	1	—	—	UL94V-0 t=1.0
②	Input connector CN1	53261-0771	1	Molex	51021-0700	—
③	Output connector CN2	SM02(8.0)B-BHS-1-TB(LF)(SN)	1	J.S.T Mfg., Co., Ltd	BHR-03VS-1	CXA-L0605A-VJL
④	Output connector CN2	SM02B-BHSS-1-TB(LF)(SN)	1	J.S.T Mfg., Co., Ltd	BHSR-02VS-1	CXA-L0605A-VSL

## Terminal Number & Function

### Input side CN1

Terminal No.	Symbol	Rating	Remarks
CN1-1	Vin	4.5 to 5.5V	Power source input
CN1-2			
CN1-3	GND	0V	Ground
CN1-4			
CN1-5	Vrmt	0V/2.5V to Vin	Remote terminal 0 to 0.4V : OFF 2.5V to Vin : ON
CN1-6	Vbr	0 to 3V	Dimmer terminal
CN1-7	N.C.	—	Because it uses for internal circuit, please be not connected.

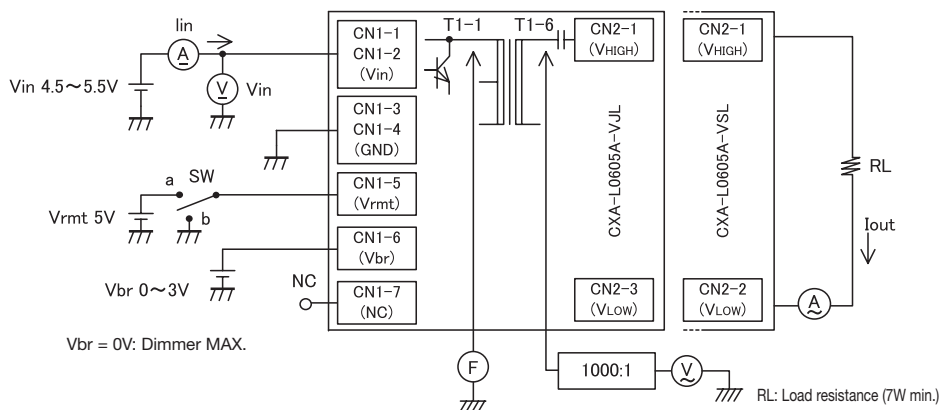
### Output side CN2 (CXA-L0605A-VJL)

Terminal No.	Symbol	Rating
CN2-1	V <sub>HIGH</sub>	Output
CN2-2	N.C.	—
CN2-3	V <sub>LOW</sub>	Output return

### Output side CN2 (CXA-L0605A-VSL)

Terminal No.	Symbol	Rating
CN2-1	V <sub>HIGH</sub>	Output
CN2-2	V <sub>LOW</sub>	Output return

# Connections



Operate as follows by switching a SW.

SW	Unit operates
a	Operates
b	Does not operate
Open	