

CXA-0393

Dimming/Connector Type

■ Features

- 2-output
 - Applicable panel size*: 8 to 12 inches
 - With brightness control function (A current system).
 - With high voltage generate display (LED on a substrate turns on).
 - 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



CXA-0393 Specifications (Please refer to each specification before use)

Electrical Characteristics

Item	Unit	Symbol	Specification			Condition					Remark
			min	typ	max	V _{in} (V)	V _{rmt} (V)	V _{br} (V)	T _a (°C)	R _L (kΩ)	
Output Current	mA	I _{out} (Maximum dimmer)	5.55	6.00	6.45	12±1.2	5	0	23±5	74	(*1)
		I _{out} (Maximum dimmer)	1.55	2.00	2.45	12±0.05	5	3	23±5	74	(*1)
Input Current	A	I _{in1}	-	0.75	0.95	12±1.2	5	0	23±5	74	Remote ON
	mA	I _{in2}	-	-	1	12±1.2	0	-	23±5	74	Remote OFF
Frequency	kHz	Freq	45.5	50.0	54.5	10.8±0.05	5	0	23±5	74	
Open Circuit Voltage	V _{rms}	V _{open}	1600	1800	-	10.8min	5	3	23±5	∞	Open load

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

Other Specifications

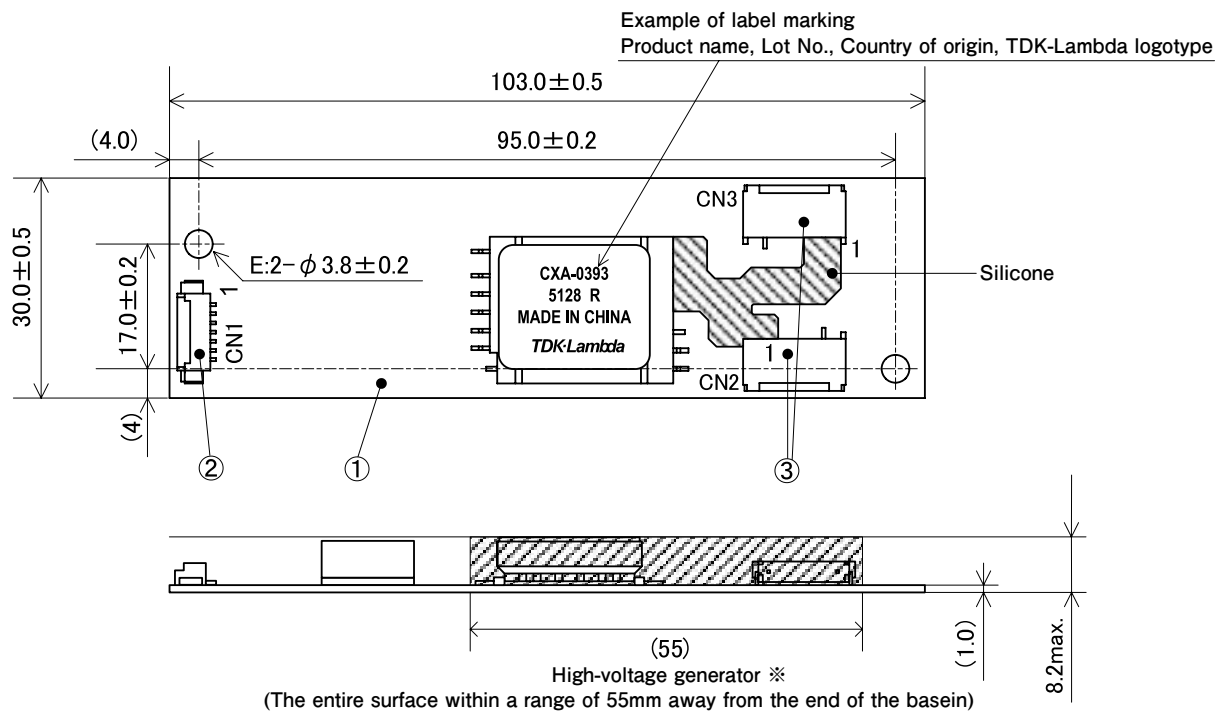
Dimming Function		Yes
Operating Temperature	°C	-10 to +70
Storage Temperature	°C	-30 to +85
Operating Humidity Ratio	RH%	95Max
Safety Standard		—
Weight	g	21
Dimensions(WxDxH)	mm	103x30x8.2 (*2)
Fused Input		Yes
Remote ON / OFF		Yes
Alarm Signal Function		No
Shutdown Function		No
Silicone Coating on High Voltage Area		Yes

(*2) These dimensions are indicated the maximum only H. Others are typical values.

■ 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



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

unit:mm

Connector

Connector number	Part number	Model/Material	Quantity	Remarks	Recommended applicable connector
①	Printed circuit board PCB	Composite (CEM-3)	1	UL94V-0 t=1.0	—
②	Input connector CN1	53261-0771	1	Molex Inc.	51021-0700
③	Output connector CN2,CN3	SM02 (8.0) B-BHS-1-TB (LF) (SN)	2	JST Mfg. Co., Ltd.	BHR-03VS-1

Terminal Numbers And Functions

Input side CN1

Terminal number	Symbol	Rated voltage	Remarks
CN1-1	Vin	$12 \pm 1.2\text{V}$	Power input
CN1-2			
CN1-3	GND	0V	Ground
CN1-4			
CN1-5	V _{mt}	0 to 0.4V : OFF 2.5 to V _{in} : ON	Remote terminal
CN1-6	V _{br} /R _{br1}	0 to 3V/0 to 50kΩ	Dimmer terminal 1
CN1-7	-/R _{br2}	-/0 to 50kΩ	Dimmer terminal 2

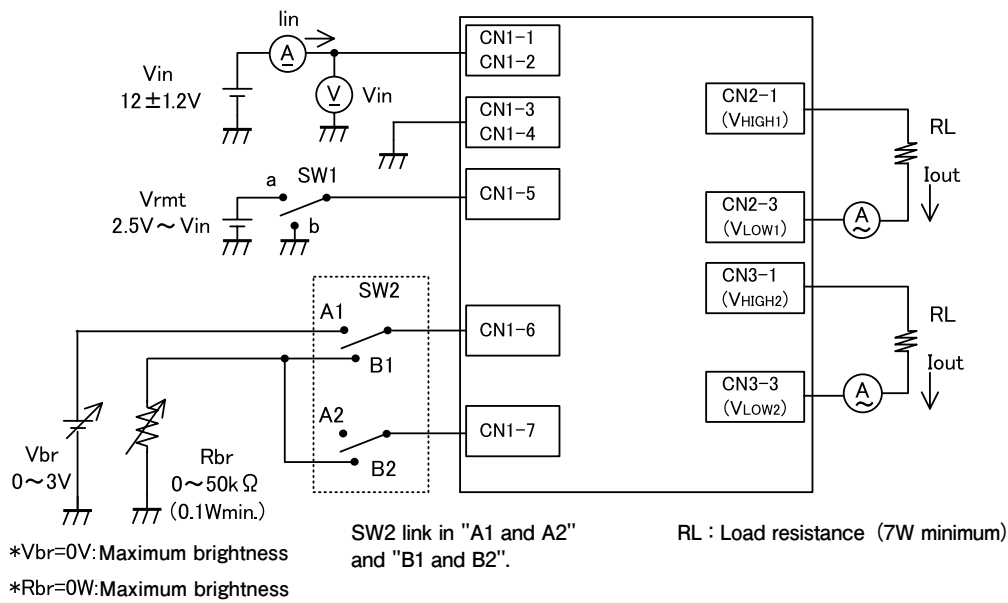
Output side CN2

Terminal number	Symbol	Rated voltage	Remarks
CN2-1	V _{HIGH1}	450Vrms	Output 1
CN2-2	N.C.	—	N.C.
CN2-3	V _{LOW1}	(2V)	Output 1 return

Output side CN3

Terminal number	Symbol	Rated voltage	Remarks
CN3-1	V _{HIGH2}	450Vrms	Output 2
CN3-2	N.C.	—	N.C.
CN3-3	V _{LOW2}	(2V)	Output 2 return

Connections



Operate as follows by switching SW1.

SW1		Unit operation
a	2.5-5.25V	Operation
b	0-0.4V	Stop
Open		Stop

Operate as follows by switching SW2.

SW2		A		B	
		A1	A2	B1	B2
Voltage dimmer	Switch A=Close Switch B=Open	Close		Open	
Resistor dimming	Switch A=Open Switch B=Close	Open		Close	

※ Vbr=0V: Maximum brightness
Rbr=0Ω: Minimum brightness

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