

CXA-M10A-L

Non-dimming/On-board Type

Features

- 1 and 2 outputs
 - UL60950 approved
 - Applicable panel size*: 3 to 10 inches
 - Select of quantity for output and output current are possible by connection method.
- (Notice) Applicable panel size becomes a standard.

Applications



CXA-M10A-L Specifications (Please refer to each specification before use)

Electrical Characteristics

CONNECTION A

Item	Unit	Symbol	Specification			Condition			Remark
			min	typ	max	Vin(V)	Ta(°C)	RL(kΩ)	
Output Current	mA _{rms}	I _{out}	9	10	11	5±0.05	23±5	40	
			8	10	12	5±0.25	-10 to +60	30 to 50	
Input Current	A	I _{in}	-	1.0	1.5	5±0.25	-10 to +60	30 to 50	
Frequency	kHz	Freq	23	28	33	5±0.25	-10 to +60	30 to 50	
Open Circuit Voltage	V _{rms}	V _{open}	1000	1200	-	5±0.25	-10 to +60	∞	Open load

CONNECTION B

Item	Unit	Symbol	Specification			Condition			Remark
			min	typ	max	Vin(V)	Ta(°C)	RL(kΩ)	
Output Current	mA _{rms}	I _{out}	5.1	6.0	6.5	5±0.05	23±5	67	
			4.5	6.0	7.1	5±0.25	-10 to +60	50 to 84	
Input Current	A	I _{in}	-	0.6	1.0	5±0.25	-10 to +60	50 to 84	
Frequency	kHz	Freq	27	32	37	5±0.25	-10 to +60	50 to 84	
Open Circuit Voltage	V _{rms}	V _{open}	1000	1200	-	5±0.25	-10 to +60	∞	Open load

CONNECTION C

Item	Unit	Symbol	Specification			Condition			Remark
			min	typ	max	Vin(V)	Ta(°C)	RL(kΩ)	
Output Current	mA _{rms}	I _{out}	4.2	5.0	5.4	5±0.05	23±5	80	
			3.7	5.0	5.9	5±0.25	-10 to +60	60 to 100	
Input Current	A	I _{in}	-	0.6	0.9	5±0.25	-10 to +60	60 to 100	
Frequency	kHz	Freq	23	28	33	5±0.25	-10 to +60	60 to 100	
Open Circuit Voltage	V _{rms}	V _{open}	1000	1200	-	5±0.25	-10 to +60	∞	Open load

CONNECTION D

Item	Unit	Symbol	Specification			Condition			Remark
			min	typ	max	Vin(V)	Ta(°C)	RL(kΩ)	
Output Current	mA _{rms}	I _{out}	4.5	5.0	5.5	5±0.05	23±5	80	
			4.0	5.0	6.0	5±0.25	-10 to +60	60 to 100	
Input Current	A	I _{in}	-	1.0	1.5	5±0.25	-10 to +60	60 to 100	
Frequency	kHz	Freq	23	28	33	5±0.25	-10 to +60	60 to 100	
Open Circuit Voltage	V _{rms}	V _{open}	1000	1200	-	5±0.25	-10 to +60	∞	Open load

Other Specifications

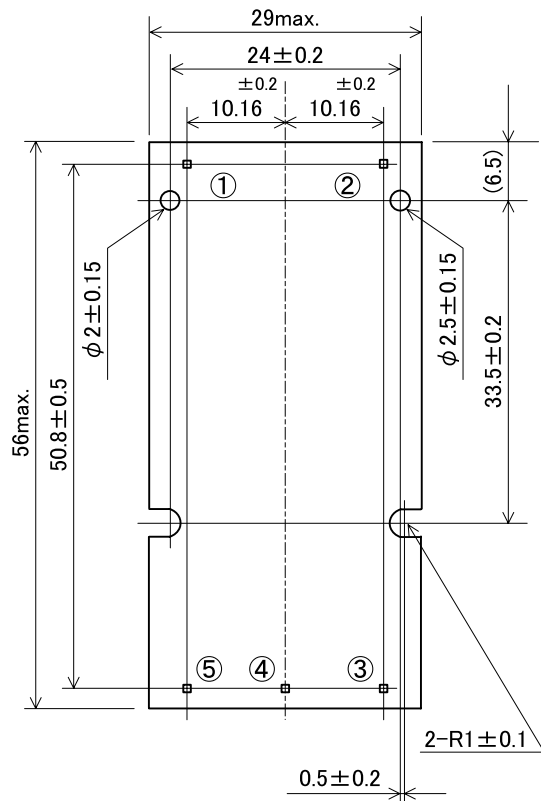
Dimming Function		No
Operating Temperature	°C	-10 to +60
Storage Temperature	°C	-20 to +85
Operating Humidity Ratio	RH%	95Max
Safety Standard		UL60950
Weight	g	21
Dimensions(WxDxH)	mm	56x29x16.5 (*1)
Fused Input		No
Remote ON / OFF		No
Alarm Signal Function		No
Shutdown Function		No
Silicone Coating on High Voltage Area		No

(*1) These dimensions are indicated the maximum. Length of input-output terminal pin is not included.

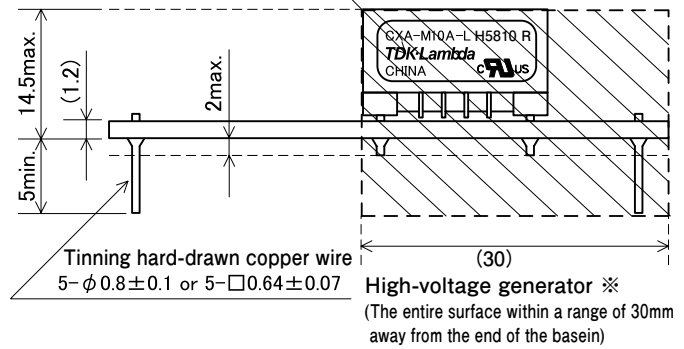
Conformity to RoHS Directive

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



Example of label marking
Product name, Lot No., Country of origin,
TDK-Lambda logotype, UL standard marking



※From high-voltage generator, please secure space distance more than 2mm in top and bottom right and left.

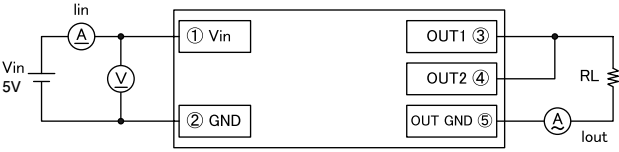
unit:mm

Terminal Numbers And Functions

Terminal number	Symbol	Rated voltage
①	V _{in}	5V
②	GND	0V
③	OUT1	400V _{rms}
④	OUT2	400V _{rms}
⑤	OUT GND	0V

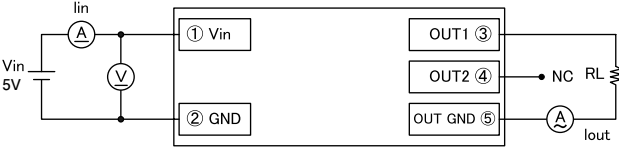
Connections

CONNECTION A



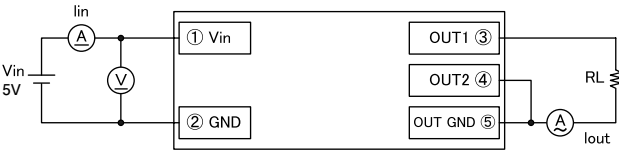
Shunting in OUT1 and OUT2

CONNECTION B



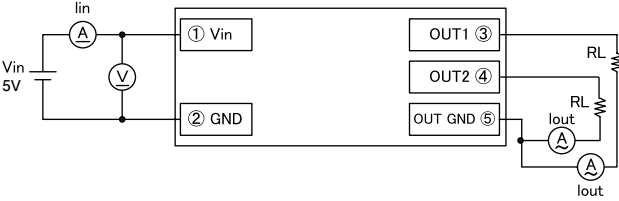
Open OUT1 or OUT2

CONNECTION C



Shunting in OUT2 and OUT - GND

CONNECTION D



RL : Load resistance (7W minimum)