**MESSRS**:

## **PRODUCT DRAWING**

CUSTOMER'S PRODUCT NAME:

TDK PRODUCT NAME:

DC/AC INVERTER UNIT CXA-L0612A-VxL



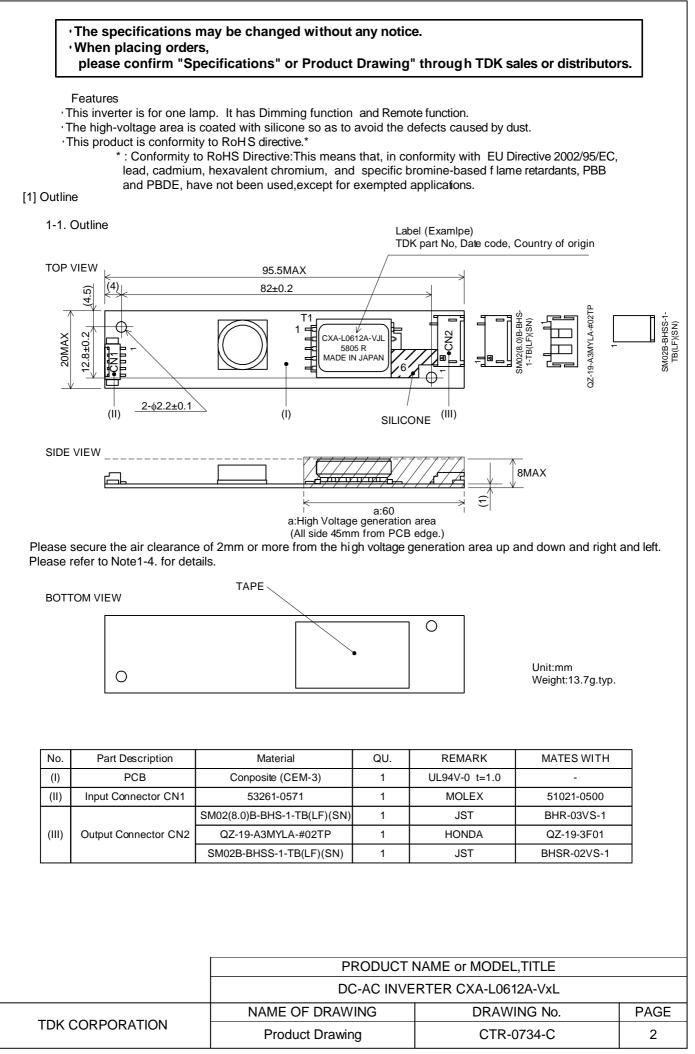
**TDK Corporation** 

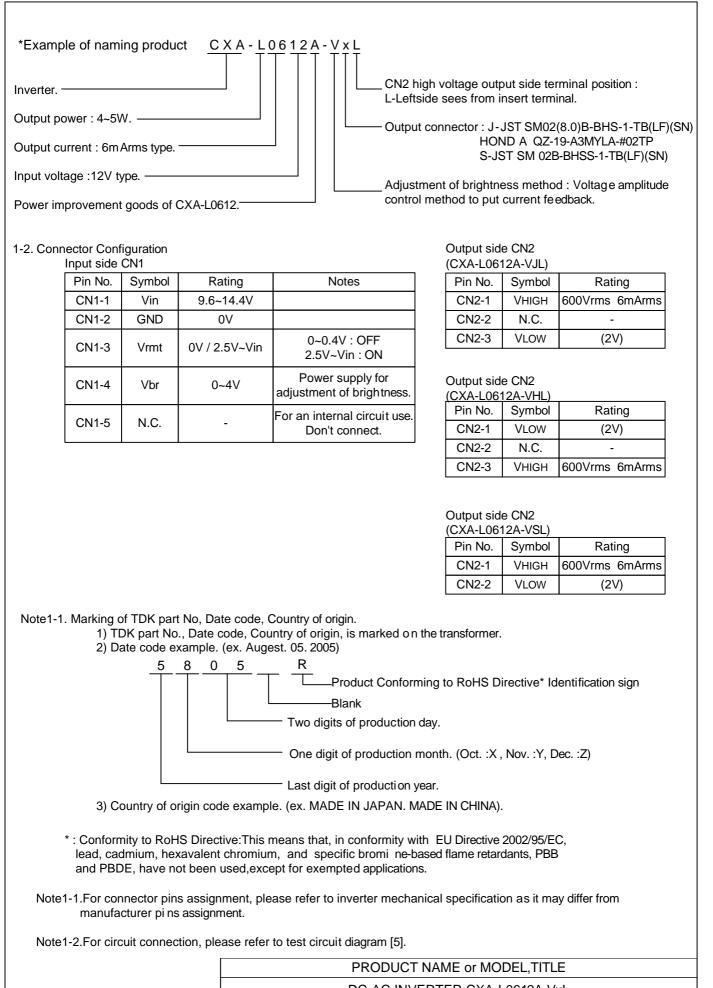
Corporate Headquarters 13-1,Nihonbashi 1-chome,Chuo-ku, Tokyo 103, JAPAN Telephone : 03-3278-5111 2-15-7,Higashi-Ohwada,Ichikawa-shi, Chiba,272-8558 JAPAN Telephone : 047-378-9671 Fax : 047-378-9673

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DWG.No. CTR-0734-C

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	Precautionar	y Notes Rega	rding the U	Jse of This Inv	verter	
	sing this product, give o esign. Inappropriate us				ed below an	d ensure
		$\triangle$	Warning		A	
	product is subject to high g to do so may result in el		ch it while the p	ower is on.		
		$\bigwedge$	Caution			
Do not Store Do no This p provide This p If it is t transp Avoid dust, c Also,b If the it is rea smoke Even v the cirr It is rea be pro Use t and op Provide Abnorn To pr provide Abnorn	product is designed for the cuse it with any other load this product under the co of store this product in an product is subject to high e a proper indication in or product is designed for us o be used with medical e ortation equipment to whi I using this product under lift or any corrosive gas (s e careful not to allow the product does not have a commended that a fuse b o or fire in the event of a m when the product has a bu- cuit may not function prop commended that an appr vided separately from the he product only within the perating temperature rang de a measure for the prev mal voltage may result in event problems arising fro e appropriate measures to product is not designed to es could be superimpose ding on the impedance in you select an input source	d. onditions defined in environment where voltage. If there is a der to draw the use a with general elec quipment that direc ch passengers entr high temperatures salt,acid,base, etc.) formation of dew co built-in protective cire a used at the input nalfunction. uilt-in protective cire opriate protective cire built-in circuit. e specified input volt ges. Exceeding thes vention of surge volt damage, etc. on short-circuiting co provide resistance d on the voltage and n the input source, we	the specification dust, dirt or cor a possibility thatt r's attention. tronic equipmer tly affects humai ust their lives, pi or high humidity is present. ondensation. It m ircuit (circuit breat stage to prevent cuit (circuit breat opriate operating ircuit (circuit breat opriate operating tage, output pow se values may re- tage due to light of the high-volta of foreign substat to radiation. d the current in t wiring, etc.	document. rosive gæ(salt,acid,b he user may touch th nt. In life or for the contro- rovide thorough fail-s or in an environment ay result in damage aker, fuse, etc.), the generation of ær, fuse, etc.), conditions or power-s eaker, fuse, etc.) er, output voltage esult in damage, etc. ning, etc. ge section, ances following instal he input source conne	he product, of safe measures t in which or electric sho supply capaci	s. ock.
		Hand	ling Precau	utions		
as not · Do n · Do n Do no It may Provid the fram Pleas	broduct uses thin wires. C to cause wire breakage. I ot stack multiple products ot allow the product to co ot apply excessive stress cause chipping and crack de a clearance of 2 mm o me body on which the pro- e do not use the product, e confirm abnormality is r	Broken wire may re- s on top of one ano ome in contact with t during installation. king,resulting in dan r more between the oduct is installed an when dropping it, s	sult in damage, ther. tools, etc. nage, etc. high-voltage se d also the condu since there is a p	etc. ction of this product ictor section (pattern ossibility of the parts	and , pad etc. ). damage.	
				NAME or MODEL, TIT		
				RTER CXA-L0612A-		
TDK	CORPORATION	NAME OF D		DRAWING		PAGE
		Product D	rawing	CTR-0734	⊦-C	1/6





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- Note1-4. Please use minimum of 2mm clearance (all directions) between inverter high voltage area and any conductors. Please refer to mechanical drawing for marking of high voltage area.
- Note1-5. Open voltage (strike voltage) is measured across the transformer secondary winding at no load as the reading at the output connector would be less than the actual value.
- Note1-6. If the start up voltage falls below Cold Cathode Tube strike voltage, the CCFL will not light up easily specially at lower ambient temperature. Please review mounting instruction to avoid any abnormal operation due to coupling/leakage capacitance of inverter high voltage area to any surrounding conductor.
- Note1-7. Please check your lamp characteristic for minimum operational current and set the limit po int in your design to avoid flickering and/or abnormal operation.
- Note1-8. For proper operation of circuit protection (FUSE or IC PROTECTOR), Please use minimum of 2A capacity for input power supply.

## [2] Absolute maximum ratings

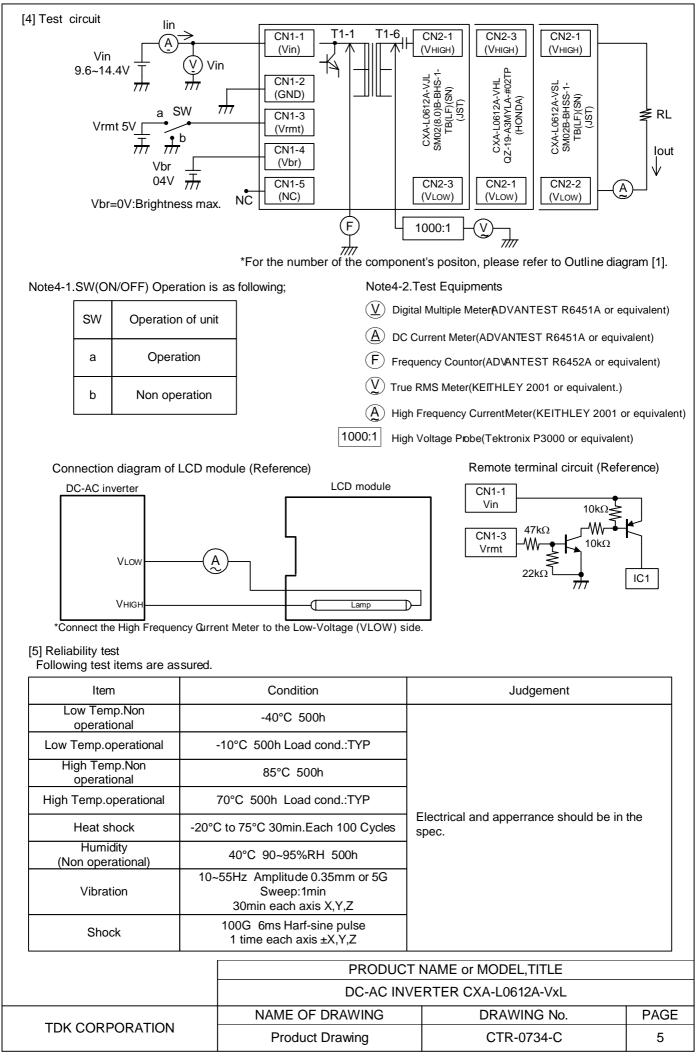
Item	Symbol	Specification	Unit	Notes
Input Voltage	Vin	0~16	VDC	
Load Resistance	RL	130max.	kΩ	110MAX at output voltage 10.8V or less
Operating Temp. range	Та	0~70	°C	
Storage Temp. range	Ts	-30~85	°C	
Humidity range	RH	95	%RH	A maximum wet ball temperature is 38 °C. No dew.

## [3] Electrical specifications

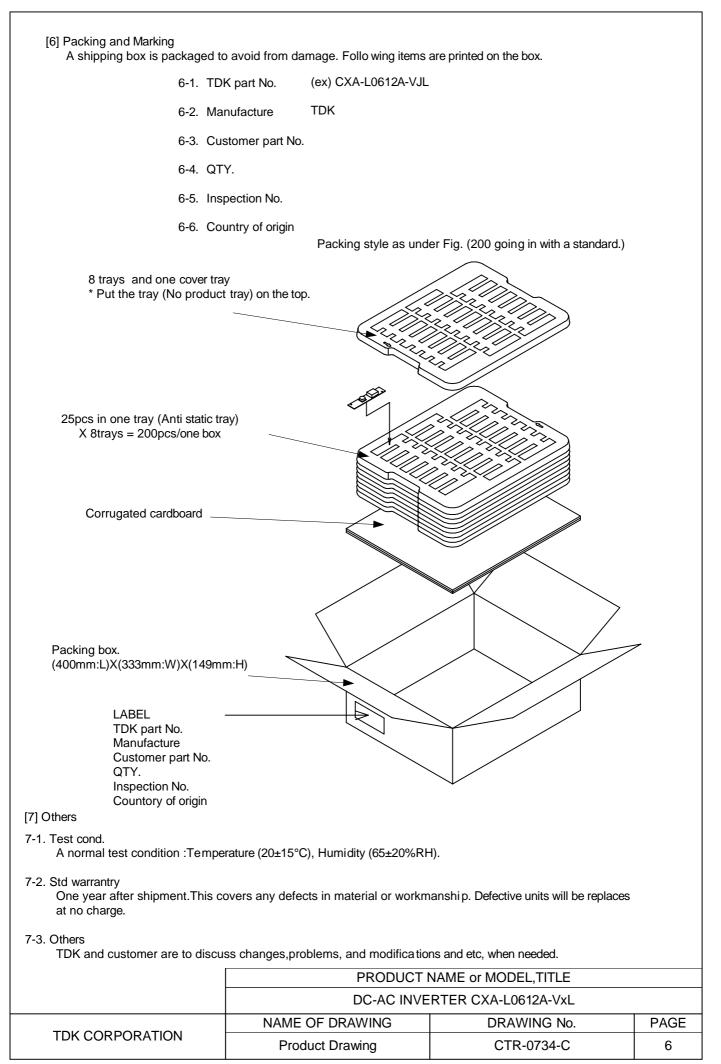
		Condition				Specification			
Item Symbol	Vin(V)	Ta(°C)	RL(kΩ)	Vbr (V)	MIN.	TYP.	MAX	Unit	
Output Current lout1/	9.6~ 14.4	18~28	100	0	5.4	6.0	6.6		
(Brightness max.)	lout2	9.6~ 14.4	0~70	90~130	0	5.3	6.0	6.7	mArms
Output Current (Brightness min.)	lout1/ lout2	9.6~ 14.4	18~28	520	4	1.3	1.6	1.9	
Input Current	lin	12	0~70	90~130	0	-	0.40	0.65	А
Frequency	F	9.6~ 14.4	0~70	90~130	0	48	58	68	kHz
Open Circuit Voltage	Vopen	9.6~ 14.4	0~70	8	0~3	1.5	1.8	-	kVrms

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<The specifications may be changed without any notice.>



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