



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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## Comparison with the Specifications

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CUSTOMER'S PRODUCT NAME :

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TDK PRODUCT NAME :        DC/AC INVERTER UNIT CXA-0543

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**TDK-Lambda Corporation**

PREPARED BY	APPROVED BY	AUTHORIZED BY
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## The difference between CXA-0308 and CXA-0543

<Product Description>

Compared with CXA-0543 to CXA-0308 , we will expand the operating temperature range .

We have changed the fuse rating for lamp impedance at the low temperature .

### 1. Outline , Connector

#### 1-1. Outline

	Width	Hight	Depth	Mounting hole diameter	Mounting hole location
	[mm]	[mm]	[mm]	[mm]	[mm]
CXA-0308	105	8.5 Max	25	2.5	15 , 82
CXA-0543	105	8.5 Max	25	2.5	15 , 82

#### 1-2. Connector

	Input Connector	Output Connector
CXA-0308	53261-0871	SM03(4.0)B-BHS-1-TB(LF)(SN)
CXA-0543		

### 2. Absolute maximum rating

	Unit	CXA-0308	CXA-0543
Vin	[V]	0 ~ 14	<-
Vrmt	[V]	-1 ~ Vin+1	<-
Vbr	[V]	0 ~ 16	<-
Load	[kΩ] // [pF]	105 // 5	<-
Operation Temp range	[°C]	-10 ~ 70	-20 ~ 80
Storage Temp. range	[°C]	-30 ~ 85	<-
Humidity range	[%RH]	95 Max*	<-

\*A maximum wet ball temperature is 38°C No dew.

### 3. Electrical characteristics

	Vin	Vrmt	Vbr / Rbr	Ta	RL1//CL1 RL2//CL2	CXA-0308	CXA-0543	Unit
	[V]	[V]	[V] / [kΩ]	[°C]	[kΩ]//[pF]			
Output Current (max)	12±1.2	5	0/0	-20~80	TYP. TYP.	5.0 Typ.	<-	[mArms]
Output Current (min)	12±1.2	5	2.5/50	-20~80	TYP. TYP.	2.0 Typ.	<-	[mArms]
Input Current	12±1.2	5	0/0	-20~80	TYP. TYP.	0.55 Typ.	<-	[A]
Frequency	12±1.2	5	0/0	-20~80	TYP. TYP.	55 Typ.	<-	[kHz]
Frequency (Dimming)	12±1.2	5	2.5/50	-20~80	TYP. TYP.	250 Typ.	<-	[Hz]
Open Circuit Voltage	10.8	5	0/0	-20~80	∞ ∞	1200 Min.	<-	[Vrms]
Alarm Output	12±1.2	5	0~2.5 /0~50	-20~80	TYP. ∞	5.0 Typ.	<-	[V]
					∞ TYP.	5.0 Typ.	<-	
					TYP. TYP.	0.5 Max	<-	
Safety Function	12±1.2	5	0~2.5 /0~50	-20~80	∞ ∞	Shutdown	<-	-

No.	MATERIALS NAME	QU	MATERIAL	REMARK
PRODUCT NAME or MODEL, TITLE				
DC-AC INVERTER UNIT CXA-0543				
<b>TDK-Lambda</b>	NAME OF DRAWING		DRAWING No.	PAGE
	Comparison with the Specifications		CTR-3891-X	1

<The drawings may be changed without any notice.>