TDK·Lambda

MESSRS :

Comparison with the Specifications

CUSTOMER'S PRODUCT NAME:

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

TDK

TDK-Lambda Corporation

PREPARED BY	APPROVED BY	AUTHORIZED BY
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DWG.No.	CTR-3891-X

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				

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<The drawings may be changed without any notice.>