COSEL

Date : Jul.7,2022

Temperature increase of main components: 主要部品温度上昇

Model: AEA600F

1. Conditions

(1) Input :AC 85 ～ 264 [V]
(2) Output :Rated output
(3) Mounting method :As shown in Fig.1.1

2. Result

No.	Parts name	Symbol No.	Increase (△T) [deg]						Rated temp. [℃]	Reference
			24V	32V	36V	48V				
1	Line filter	L102	49	52	56	49			120	
2	Rectifier(Input)	SS101	71	77	77	72			150	Junction Temp.
3	Switching transistor(PFC)	TR101	64	64	61	65			150	Junction Temp.
4	Switching transistor(PFC)	TR102	65	64	60	62			150	Junction Temp.
5	Diode(PFC)	D101	67	68	59	64			175	Junction Temp.
6	Choke coil(PFC)	L103	57	59	57	56			130	
7	Input Capacitor	C116	34	34	32	33			105	
8	Transformer	T201	69	67	70	57			155	
9	Switching transistor(DCDC)	TR201	57	55	54	54			150	Junction Temp.
10	Switching transistor(DCDC)	TR203	54	53	58	50			150	Junction Temp.
11	Rectified transistor(Output)	TR502	44	43	43	42			150	Junction Temp.
12	Rectified transistor(Output)	TR504	43	42	43	41			150	Junction Temp.
13	Output Capacitor	C594	22	18	21	21			105	
14										
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18										
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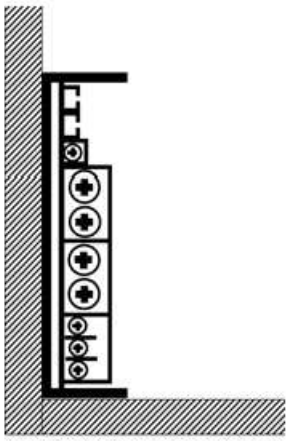

Fig.1.1 Mounting method
(Normal position)