

Date : Sep. 5, 2019

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

Front-end modules for AME series

Model : AME400F, AME600F, AME800F, AME1200F

1. Conditions

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

2. Result

No.	Parts name	Symbol No.	Increase (ΔT) [deg]				Rated temp. [°C]	Reference
			AME400F	AME600F	AME800F	AME1200F		
1	Input Diode	SS101	39	60	39	74	150	Junction Temp.
2	Line Filter	L102	18	44	20	48	120	
3	Choke Coil(PFC)	L111	22	31	15	35	130	
4	Transistor(PFC)	TR101	47	77	56	79	150	Junction Temp.
5	Rectifying Diode(PFC)	D108	40	52	63	68	175	Junction Temp.
6	Input Capacitor	C113	9	15	13	28	105	
7	Switching Transistor	TR202	29	45	54	63	150	Junction Temp.
8	Relay	X111	14	28	14	20	85	
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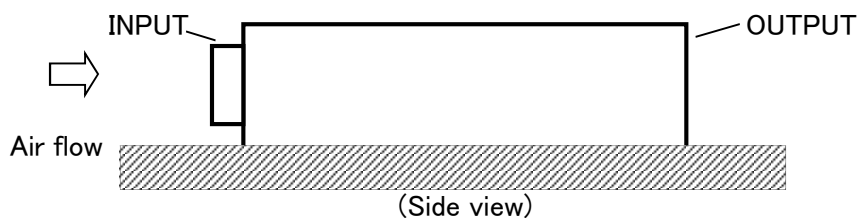


Fig.1.1 Mounting method
(Normal position)