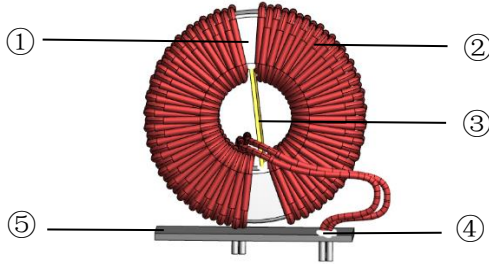


Proposal of PFC Inductor for ARCDC704772A301N1B

Approve By	Checked By	Prepared By
Zhou Zhang	Xiang Liu	Xiaocui Wei
2020/11/30	2020/11/30	2020/11/27

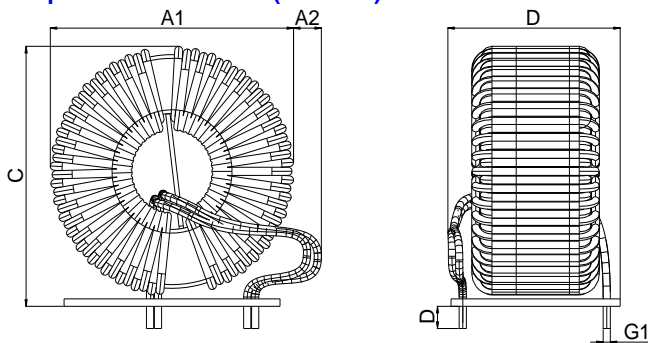
Note: This is a preliminary proposal and the final **product P/N, Structure, Shape and Dimensions, Electrical Characteristics** may be changed.
You are requested to confirm and approve our spec.

1. Structure and Material



No.	Part Name	Material Name	UL NO
①	Core	Nanodust Cores (KAM250-060A ui=60) or Equivalent material	/
②	Wire	Polyester Enamelled Copper Wire (Φ2.0mm*2P)	E197768
③	Separator	HF140	E123995
④	Glue	Epoxy(ES5691)	/
⑤	Base	HF140	E123995

2. Shape and Dimensions (unit:mm)



Note: For RoHS Compliant Products:

1.Solder : Sn /Ag /Cu .

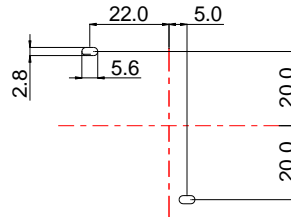
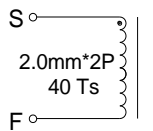
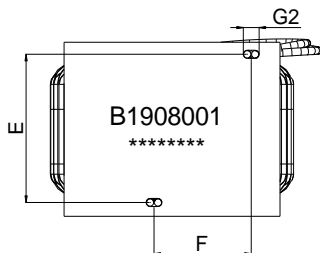
2.Marking Code:B1908001

3.Date Code: ** ** ** **
 ① ② ③

① Year

② Week

③ Trace Code



Shape and Dimensions

Recommended PCB pattern

Item	A1	A2	B	C	D	E	F	G1	G2
Sunlord Spec.	71.0Max	60.0Max	48.5Max	72.0Max	5.1±0.3	40.0±0.3	27.0±0.3	2.2±0.3	4.4±0.4

3. Electrical Characteristics (Operating Temperature: - 40℃ to + 125℃)

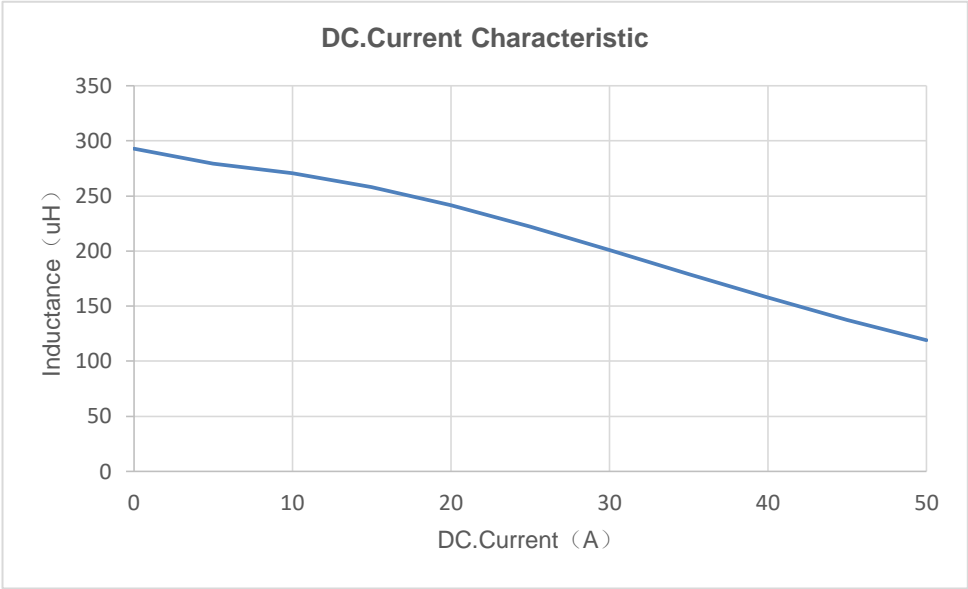
Sunlord P/N:ARCDC704772A301N1B

Parameters	Inductance	DCR	Inductance @ 45A DC BIAS	HI-POT
Unit	uH Min	mΩ Max	uH Min	-
Test Terminal	Pin(S-F)	Pin(S-F)	Pin(S-F)	Winding to Core
Sunlord Design	282.0	20.0	70.0	1500Vac/50Hz/ 2s/5mA
Test Condition	Measured at 60KHz,1V,25℃	Measured at 25℃	Measured at 60KHz,1V 25℃	Measured at 25℃

Proposal of PFC Inductor for
ARCDC704772A301N1B

Approve By	Checked By	Prepared By
Zhou Zhang	Xiang Liu	Xiaocui Wei
2020/11/30	2020/11/30	2020/11/27

4. Variation curve of inductance with DC bias current(Measured at 60KHz,1.0V @25°C)



Note: •Wave soldering reference JB/T 7488-2008, the soldering time is 3s~5s at the soldering temperature of 250±2℃
• MLS level 1 • RoHS compatible