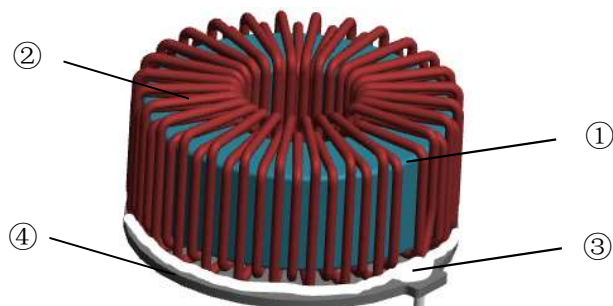


# Proposal of PFC Inductor for ARLDC807842C201N1B

Approved By	Checked By	Prepared By
Jinbo Cai	Zhou Zhang	Dingwei Zhu
2022/12/19	2022/12/19	2022/12/19

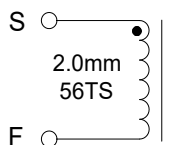
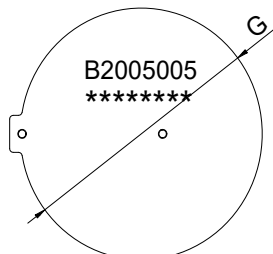
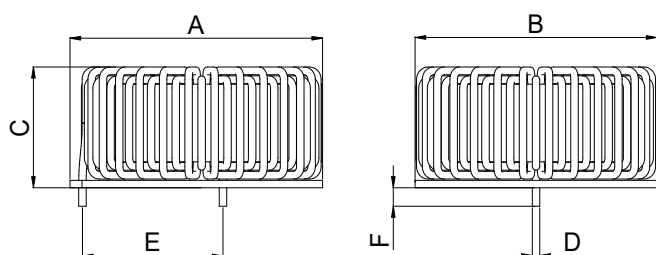
Note: This is a preliminary proposal and the final product P/N, Structure, Shape and Dimensions, Electrical Characteristics may be changed. You are requested to confirm and approve our spec.

## 1. Structure and Material



No.	Part Name	Material Name
①	Core	Fe-Ni alloy (T63.0*32.6*20.0 ui=60)
②	Wire	Polyester-imide Enamelled Copper Wire (Φ2.0mm)
③	Glue	Epoxy
④	Base	PET

## 2. Shape and Dimensions (unit:mm)

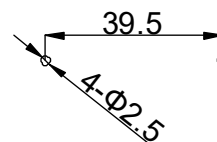


Note : For RoHS Compliant Products:

- Solder : Sn /Ag /Cu .
- Marking Code: B2005005
- Date Code: \*\* \*\* \*

① ② ③

- Year
- Week
- Trace Code



Shape and Dimensions

Recommended PCB pattern

Item	A	B	C	D	E	F	G
Sunlord Spec.	73.0Max	70.0Max	35.0Max	2.0±0.1	39.5±0.3	5.0±0.5	68.0±0.5

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

Sunlord P/N :ARLDC807842C201N1B

Parameters	Inductance	Inductance@ 23A DC BIAS	Inductance@ 33A DC BIAS	DCR	HI-POT
Unit	uH	uH	uH	mΩ	-
TEST TERMINAL	Pin(S-F)	Pin(S-F)	Pin(S-F)	Pin(S-F)	Winding to Core
Sunlord Design	480.0±10%	370.0Ref	288.0Ref	40.0 Max	1500Vac/50Hz/ 5mA/2s/
Test Condition	Measured at 100KHz,1.0V,25℃	Measured at 100KHz,1.0V,25℃	Measured at 100KHz,1.0V,25℃	Measured at 25℃	Measured at 25℃

Note: • Resistance to reflow soldering heat in accordance with JEDEC J-STD-020D with 245 °C for 10 seconds  
• MLS level 1 • RoHS compatible