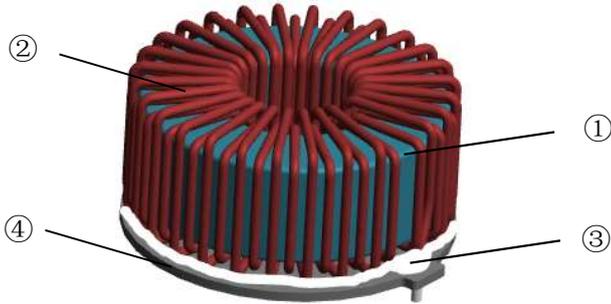


Proposal of PFC Inductor for ARLDC807842C201N1B

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

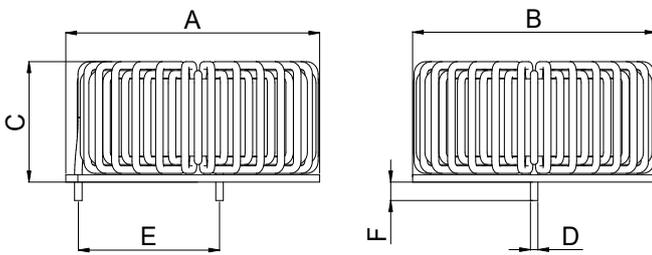
Note: This is a preliminary proposal and the final **product P/N, Structure, Shape and Dimensions, Electrical Characteristics** may be changed. You are requested to confirm and approve our spec.

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)

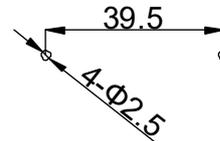
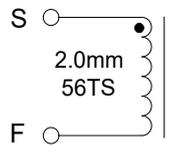
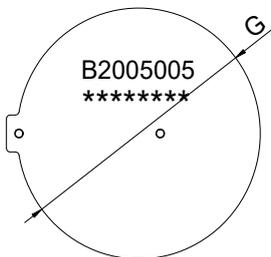


Note : For RoHS Compliant Products:

- 1.Solder : Sn /Ag /Cu .
- 2.Marking Code: B2005005
- 3.Date Code: ** ** ****

① ② ③

- ① Year
- ② Week
- ③ 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°C to + 125°C)

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°C	Measured at 100KHz,1.0V,25°C	Measured at 100KHz,1.0V,25°C	Measured at 25°C	Measured at 25°C

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