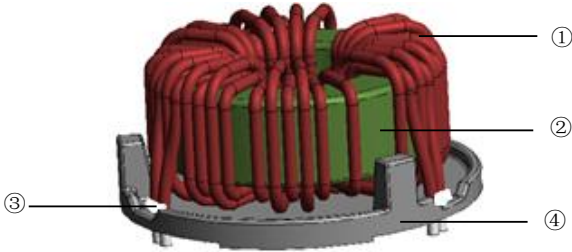


Proposal of Common Mode Choke for ARCDC646430A450N3B

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

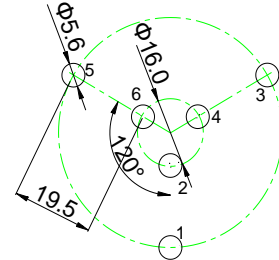
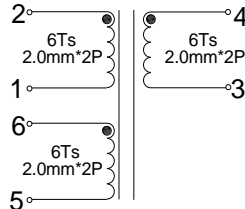
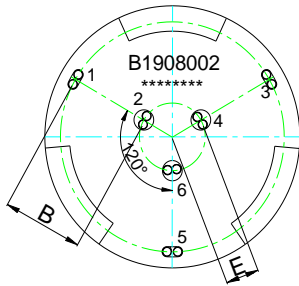
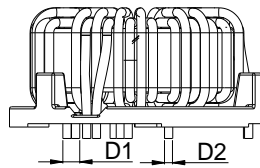
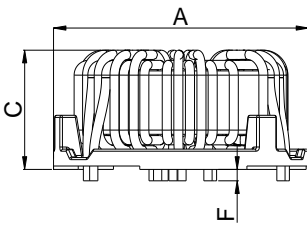
Note: This is a preliminary proposal and the final **product P/N, Structure, Shape and Dimensions, Electrical Characteristics** may be changed. You are requested to confirm and approve our spec.

1. Structure and Material



No.	Part Name	Material Name	UL NO
①	Wire	Polyester Enamelled Copper Wire (Ø2.0mm)	E197768
②	Core	MnZn Ferrite (T47x25x15, $\mu_i=10000$)	/
③	Glue	Epoxy (ES5691)	/
④	Base	Phenolic(PM9630)	E41429

2. Shape and Dimensions (unit:mm)



Note:For RoHS Compliant Products:

- Solder : Sn /Ag /Cu .
- Marking Code:B1908002
- Date Code:

- ① Year
- ② Week
- ③ Trace Code

Shape and Dimensions

Recommended PCB pattern(Bottom)

Item	A	B	C	D1	D2	E	F
Sunlord Spec.	64.0Max.	19.5±0.3	30.0Max	4.4±0.4	2.2±0.3	8.0±0.3	5.1±0.5

3. Electrical Characteristics (Operating Temperature: - 40°C to + 105°C)

Sunlord P/N: ARCD646430A450N3B

Parameters	Inductance			DCR			HI-POT	Turns Ratio
	Pin(2-1)	Pin(4-3)	Pin(6-5)	Pin(2-1)	Pin(4-3)	Pin(6-5)	-	Pin(2-1): Pin(4-3) : Pin(6-5)
Unit	uH			mΩ Max.			-	Ts
Sunlord Design	450.0±30%			2.6			1000Vac / 2s/2mA/50Hz	6:6:6 ±0.5
Test Condition	Measured at 100KHz,1V 25°C			Measured at 25°C			Measured at 25°C	Measured at 15.75KHz,1V, 25° C

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