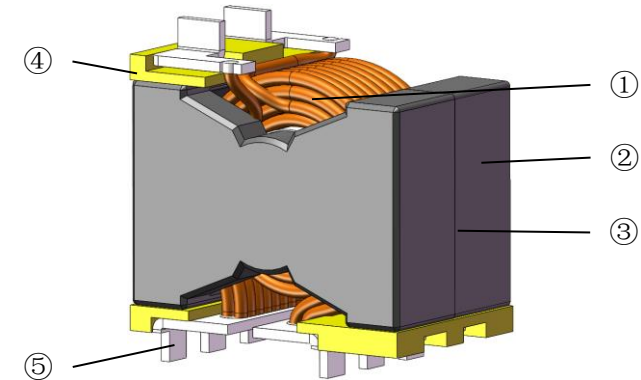


Proposal of LLC Transformer for

ATWPPQ322127A200P

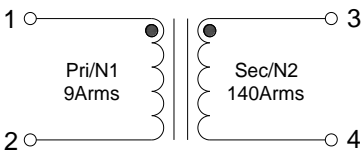
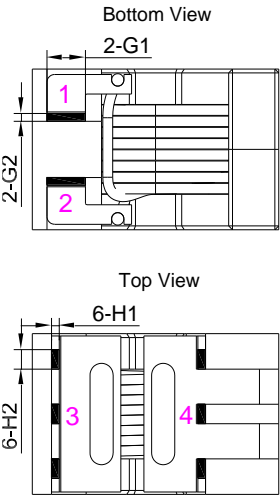
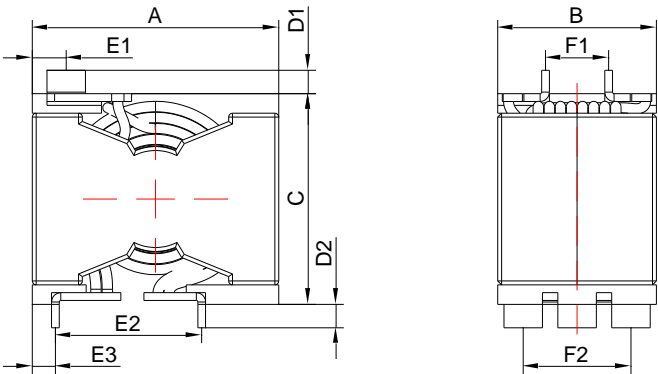
Note: This is a preliminary proposal and the final product P/N, Structure, Shape and Dimensions, Electrical Characteristics may be changed.
You are requested to confirm and approve our spec.

1. Structure and Material



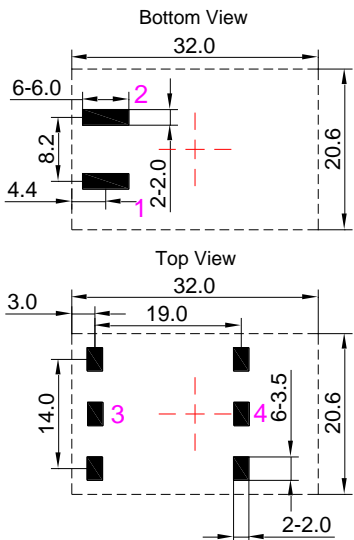
No.	Part Name	Material Name	Part Name
①	Wire	Mylar Wire Ø0.10mm*100P	E165111
②	Core	Mn-Zn Ferrite HE7F or Equivalent Material	/
③	Glue	Epoxy	/
④	Base	HF140	E123995
⑤	Terminal	C1100	/

2. Shape and Dimensions (unit:mm)



Note:For RoHS Compliant Products:
1.Solder : Sn /Ag /Cu .
2.Marking Code:B2203009
3.Date Code: ** ** ****
 ① ② ③

- ① Year
② Week
③ Trace Code



Shape and Dimensions

Recommended PCB pattern

Item	A	B	C	D1	D2	E1	E2
Customer Require	32.0 Max	20.0 Max	27.0Max	3.0	3.0	4.4	19.0
Sunlord Spec.	32.0±0.5	20.6±0.25	27.0Max	3.0±0.5	3.0±0.5	4.4±0.3	19.0±0.3
Item	E3	F1	F2	G1	G2	H1	H2
Customer Require	3.0	8.2	14.0	-	-	-	-
Sunlord Spec.	3.0±0.3	8.2±0.3	14.0±0.3	5.0±0.2	1.0±0.2	1.0±0.2	3.0±0.2

Proposal of LLC Transformer for ATWPPQ322127A200P

Approve By	Checked By	Prepared By
Jinbo Cai	Zhou Zhang	Haihang Zhu
2022/3/10	2022/3/10	2022/3/10

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.

3. Electrical Characteristics (Operating Temperature: - 40°C to + 135°C)

Sunlord P/N:ATWPPQ322127A200P

Parameters	Inductance	Leakage Inductance	DCR		TURNS RATIO
Unit	μH	μH	mΩ	mΩ	-
Test terminal	Pin(1-2)	Pin(1-2), shorted all other pins	Pin(1-2)	Pin(3-4)	Pin(1-2):Pin(3-4)
Customer Require	150.0	-	-	-	-
Sunlord Design	150.0±10%	3.0 Max	35.0 Max	0.30 Max	16:1±0.5Ts
Test Condition	Measured at 100KHz, 1V, 25°C	Measured at 100KHz, 1V, 25°C	Measured at 25°C		Measured at 15.75KHz, 1V 25°C

Parameters	HI-POT	
Unit	-	-
Test terminal	Pri to Sec	Winding to Core
Customer Require	-	-
Sunlord Design	1500Vac/50Hz /2mA/3s	1000Vac/50Hz /2mA/3s
Test Condition	Measured at 25°C	

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