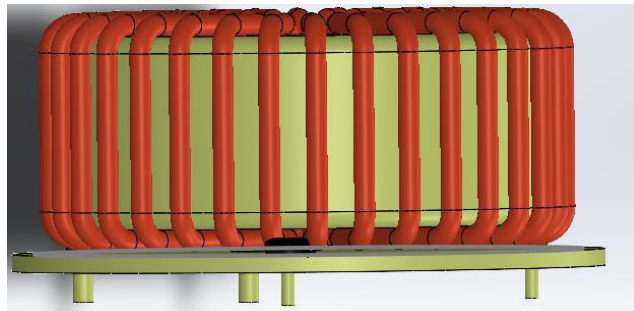

	Customer 15118	Customer Ref.	Description Inductor 420uH,Rms25A			
	Project Ref. X-15118-002	Prototype Ref.	Ordering Code X-15118-002	Date 11/1/2023	Edition 1	Page 1/4

Technical Specification



Inductor 420uH,RMS: 25A

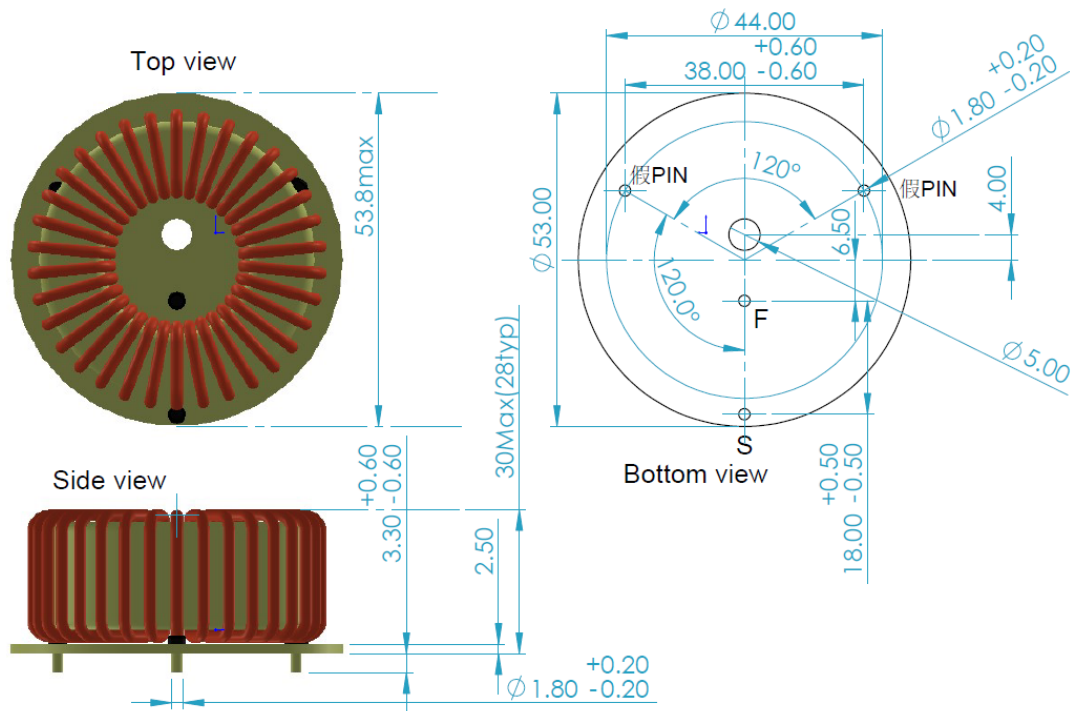
Made by (R&D Engineer)	Checked by (R&D Manager)	Approved by (Quality Engineer)	Approved by (by customer)
Date: 11/01/2023	Date: 11/01/2023	Date: 12/01/2023	Date: 11/01/2023
Signature: Arthur. Z <i>Arthur.Zeng</i> Premo.S.L	Signature: R. Rodriguez <i>Rodriguez</i>	Signature: <i>regina. chen</i>	Signature:

DIMENSIONS: mm	TECHNICAL SPECIFICATION	
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Customer 15118	Customer Ref.	Description Inductor 420uH,Rms25A			
Project Ref. X-15118-002	Prototype Ref.	Ordering Code X-15118-002	Date 11/1/2023	Edition 1	Page 2/4

1- Dimensions and Pins Configuration




Notes:

- Weight:** Approx. 200g ref;
- General tolerance according to ISO 2768-1 m where not indicated.

DIMENSIONS: mm

TECHNICAL SPECIFICATION



	Customer 15118	Customer Ref.	Description Inductor 420uH,Rms25A			
	Project Ref. X-15118-002	Prototype Ref.	Ordering Code X-15118-002	Date 11/1/2023	Edition 1	Page 3/4

2- Electrical parameters

2.1 – Technical specifications

RMS	25A
OPERATING TEMPERATURE	-40~150°C
STORAGE TEMPERATURE	-40~125°C

2.2 – Parameters tested

INDUCTANCE :	
L(S-F) *	420uH +/-10%@1KHZ/0.25V
L(S-F)	200uH REF@25A/100V/100Us by DPG10
DC RESISTANCE @25±5°C	
R(S-F)	35.2 mΩ Max(27.2TYP)
DIELECTRIC STRENGHT ⁽¹⁾ *	
Wire to Core (No test)	DC 2KV 3mA 2Sec
Wire to PIN(False PIN)	DC 0.2KV 3mA 2Sec

Notes:

- Inductance measured at 1 kHz, 0.25Vac, RT 25±5°C
- 1min for qualification / 2sec in mass production

3- Electrical Diagram



4- Raw Materials

CORE	Format	Ring-core
	Material	FeSi (Curie temperature: 700 °C)
WIRE	Winding	Class H(180°C) or EQ
TAPE		PF301 Class H (180°C) or EQ
PCB		FR-4(TG170) ((170°C)) or EQ
ADHESIVE		3M DP-190 (170°C) or EQ
PIN		C1100

DIMENSIONS: mm

TECHNICAL SPECIFICATION





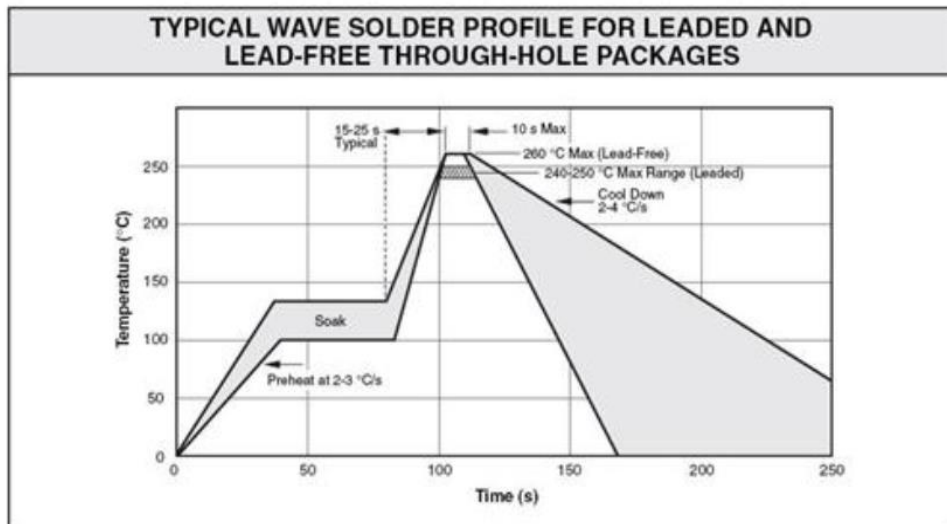
Customer 15118	Customer Ref.	Description Inductor 420uH,Rms25A				
Project Ref. X-15118-002	Prototype Ref.	Ordering Code X-15118-002	Date 11/1/2023	Edition 1	Page 4/4	

5- Marking

Marking is made by laser (or other) on the bottom of the component, with the following information:

PREMO
X-15118-002
YY/MM/DD

6- Recommended :Lead-free the recommended Wave soldering (DIP Type)




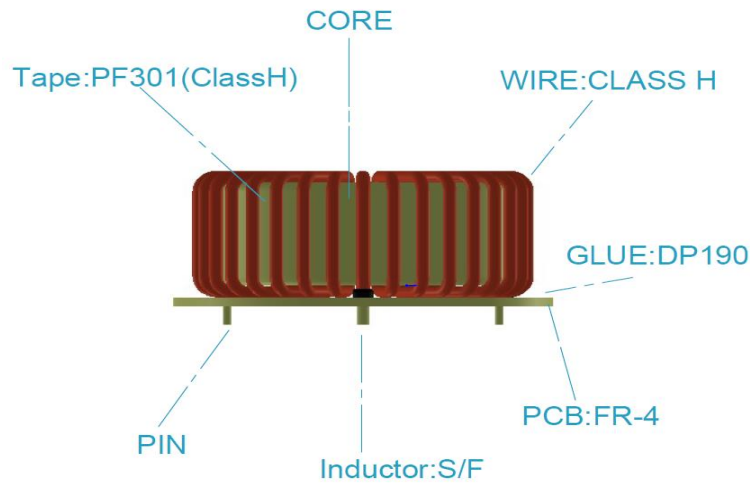
7- Exploded view

DIMENSIONS: mm

TECHNICAL SPECIFICATION

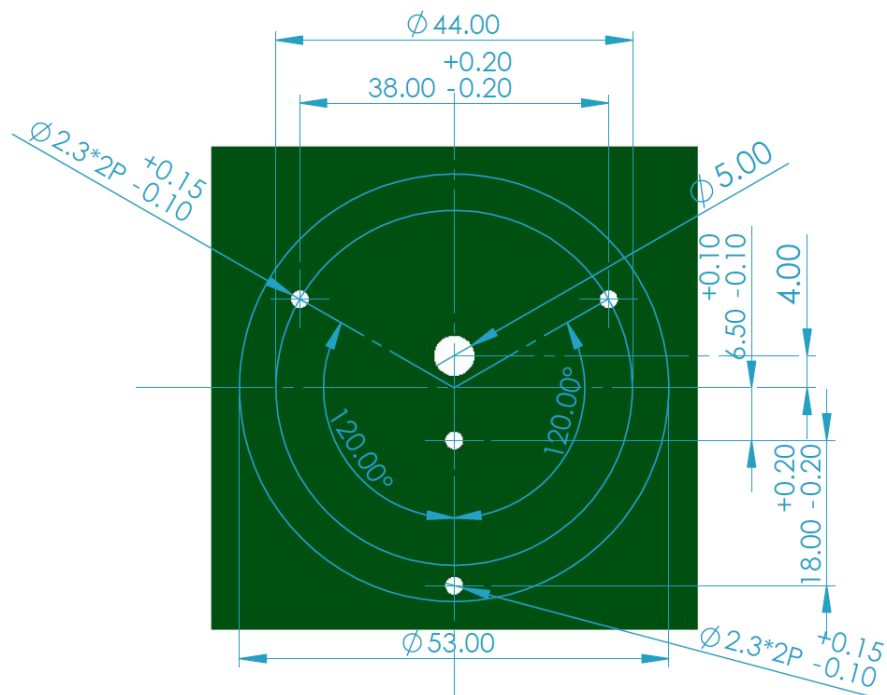


	Customer 15118	Customer Ref.	Description Inductor 420uH,Rms25A			
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Exploded View

8- Recommended pad (REF)




9- Packaging

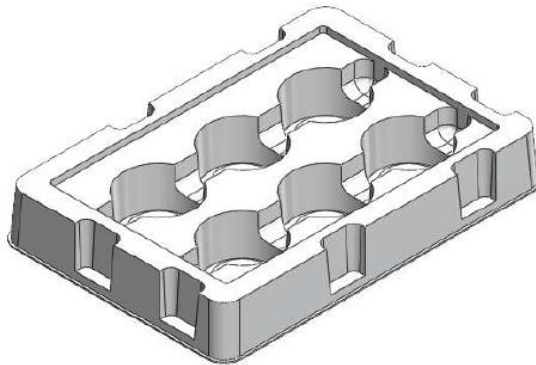
9.1 Tray: PET TRAY 275x190x41mm,6PCS REF;

DIMENSIONS: mm

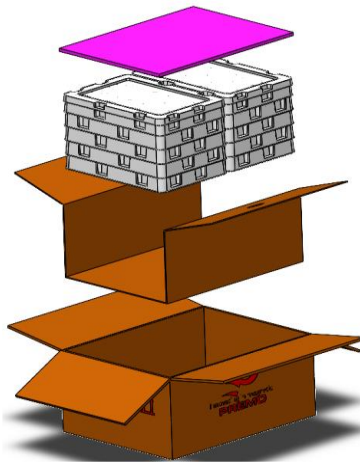
TECHNICAL SPECIFICATION



	Customer 15118	Customer Ref.	Description Inductor 420uH,Rms25A			
	Project Ref. X-15118-002	Prototype Ref.	Ordering Code X-15118-002	Date 11/1/2023	Edition 1	Page 6/4



9.2 Box (Quantity/box: 60PCS REF) :




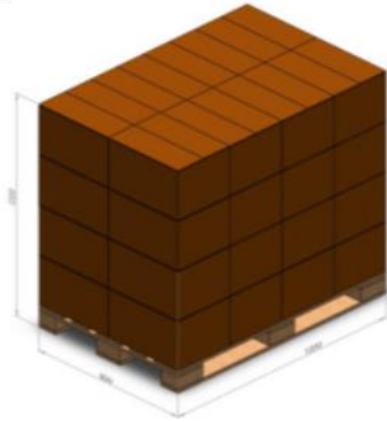
9.3 Pallets: Max Pallet dimension (L x W x H): 1200 X 800 X 1600

DIMENSIONS: mm

TECHNICAL SPECIFICATION



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10- Edition Control

Edition	Changed by	Date	Change description
0.0	Arthur	25/5/2022	NEW
0.1	Arthur	26/5/2022	Add hi-pot: Wire to core
0.2	Arthur	6/10/2022	Update spec
0.3	Arthur	6/15/2022	PCB add hole $\Phi 5.0$ mm
0.4	Arthur	4/7/2022	Add special requirements
0.5	Arthur	22/7/2022	Add Ls & IDC curve ...
1	Arthur	11/01/2023	Add Ls & frequency curve PIN3.5+/-0.6 to PIN3.3+/-0.6

DIMENSIONS: mm

TECHNICAL SPECIFICATION

