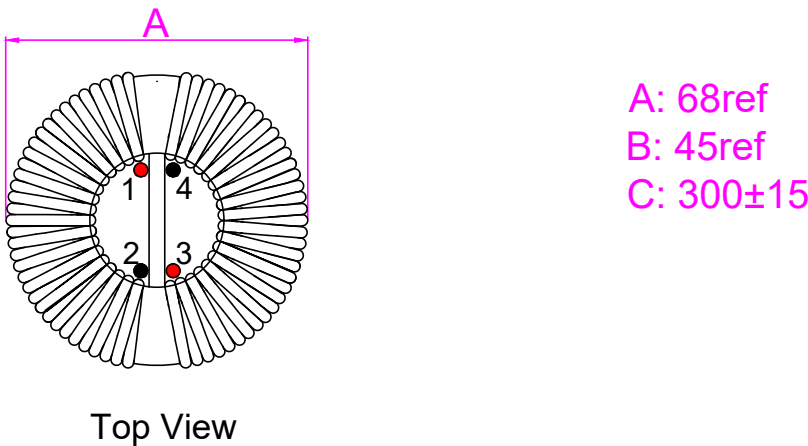
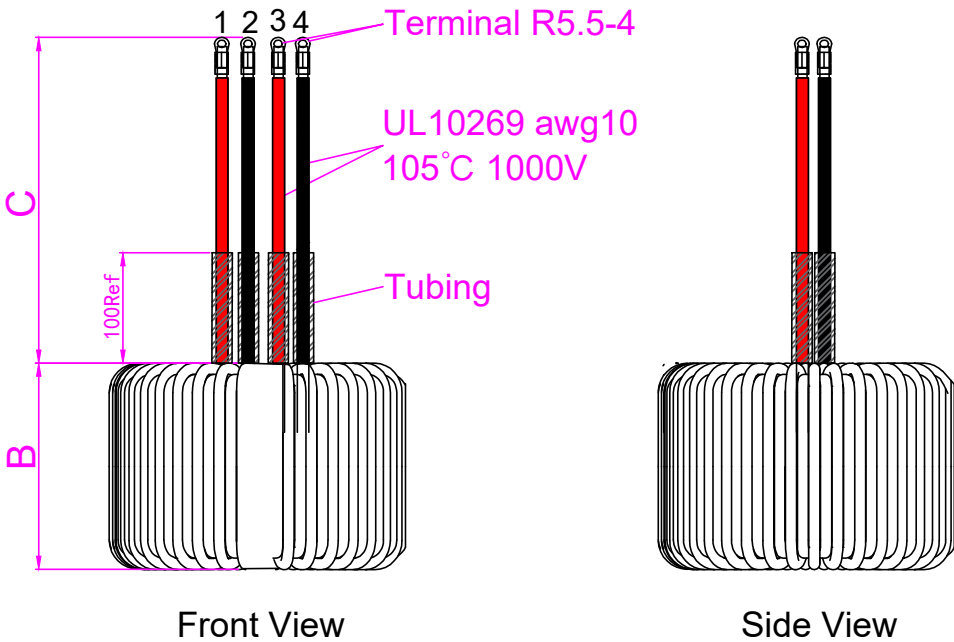


250uH 25A Inductor / FL23033R

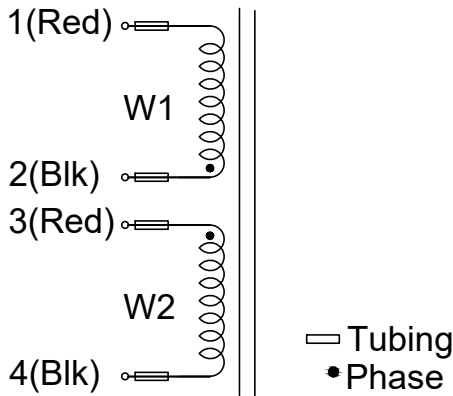


REV	DESCRIPTION	DATE	APPROVED
00	First Release	2023-02-28	Musk
01	update lead wire	2023-04-15	Musk

Outline Dimensions(Unit:mm)



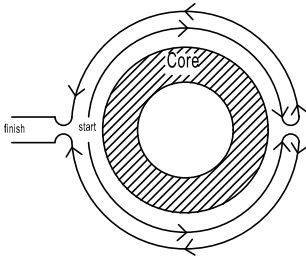
Electronical Schematic:



Construction:

The inductor body constructed with UL rated 180°C (Class H) materials.

Winding Method:



Electrical Characteristics:

No.	Item	Terminal	Technical Data	Test Condition & Instrument
1	Inductance	2-4 connect 1,3	485uH±12%	TH2816B, 160kHz 0.1V, 0Adc @ 25°C
			250uH±12%	DPG10, 25Adc @ 25°C
			180uH±12%	DPG10, 33Adc @ 25°C
2	D.C. Resistance	2-4	30mΩ Max	TH2512B @ 25°C
3	Hi-Pot	Core - Coil	5mA Max	TH9320, 1500VAC 50Hz 3S @ 25°C
4	Weight	about 570g		

Winding step:

WDG	Terminal	Wire Gauge	Turns	Tape	Tube	Remarks
W1	2-1	Ø2.50mm*1P QZY-2/180	21 Ref	/	/	Tight winding
W2	3-4	Ø2.50mm*1P QZY-2/180	21 Ref	/	/	Tight winding

Note: Inductor need to be varnished

List of UL Certificate:

No.	Part name	Description	Supplier (or equivalent)	UL Number
1	Core	NPH226060 KS226-060A-HF	CSC KDM	N/A
2	Copper Wire	QZY-2 / 180C	NINGBO JINTIAN NEW MATERIAL CO LTD	E227047
3	Lead wire	UL10269 Awg10	3Q WIRE & CABLE CO LTD	E341104
4	Terminal	R5.5-4	K.S.TERMINALS INC	N/A
5	Varnish	T-4260(a)	SUZHOU TAIHU ELECTRIC ADVANCED MATERIAL CO LTD	E228349

Tolerances unless otherwise specified:
(.X)±0.50 (.XX±0.25)

250uH 25A Inductor	
POWEL P/N	FL23033R
Customer P/N	