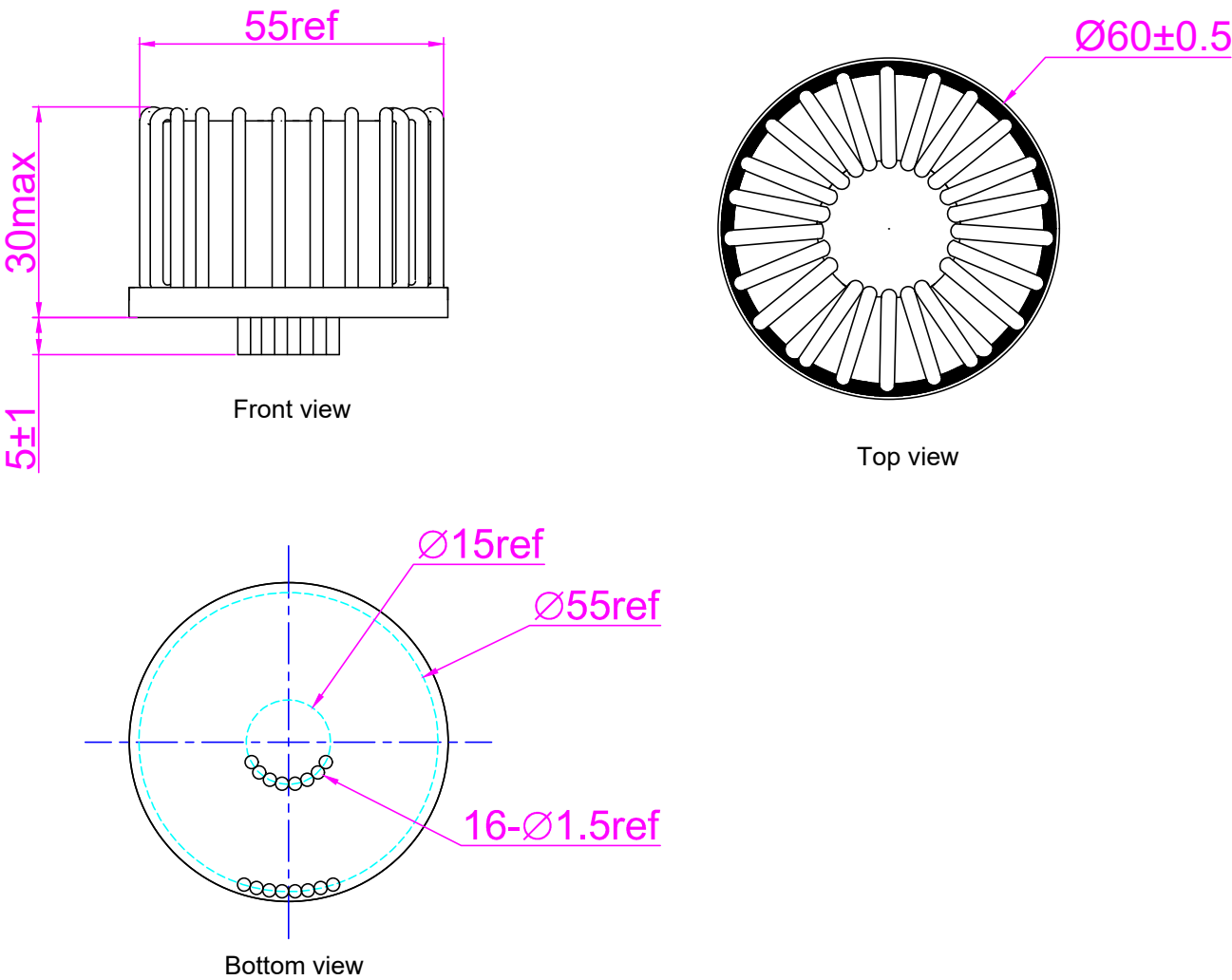


6uH 88A Inductor / TL31012R

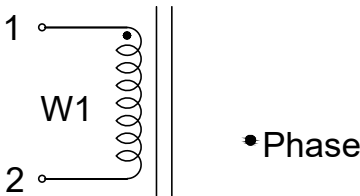


REV	DESCRIPTION	DATE	APPROVED
00	First Release	2023-05-08	Musk
01	Update to horizontal type	2023-05-09	Musk

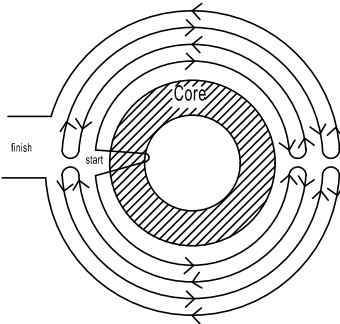
Outline Dimensions(Unit:mm)



Electronical Schematic:



Winding Method:



Construction:

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

Electrical Characteristics:

No.	Item	Terminal	Technical Data	Test Condition & Instrument
1	Inductance	1-2	6.6uH±12%	TH2816B, 10kHz 0.1V, 0Adc @ 25°C
			6uH Ref	DPG10, 88Adc @ 25°C
			6uH Ref	DPG10, 90Adc @ 25°C
2	D.C. Resistance	1-2	5mΩ Max	TH2512B @ 25°C
3	Hi-Pot	Core - Coil	3mA Max	TH9320, 1500VAC 50Hz 3S @ 25°C
4	Weight	about TBDg		

Winding step:

WDG	Terminal	Wire Gauge	Turns	Tape	Tube	Remarks
W1	1-2	Ø1.45mm*8P QZY-2/180	7 Ref	/	/	Tight winding

Note: Inductor need to be varnished

List of UL Certificate:

No.	Part name	Description	Supplier (or equivalent)	UL Number
1	Core	GX-184060-2 NPN184060	Micormetals POCO	N/A
2	Copper Wire	QZY-2 / 180C	NINGBO JINTIAN NEW MATERIAL CO LTD	E227047
3	Base	FR-4	KINGBOARD LAMINATES HOLDINGS LTD	E123995
4	Glue	E-500	DONGGUAN EATTO ELECTRONIC MATERIAL CO LTD	E218090
5	Varnish	T-4260(a)	SUZHOU TAIHU ELECTRIC ADVANCED MATERIAL CO LTD	E228349

 TOLERANCES UNLESS OTHERWISE SPECIFIED: (.X)±0.50 (.XX±0.25)	6uH 88A Inductor	
	POWEL P/N	TL31012R
	Customer P/N	