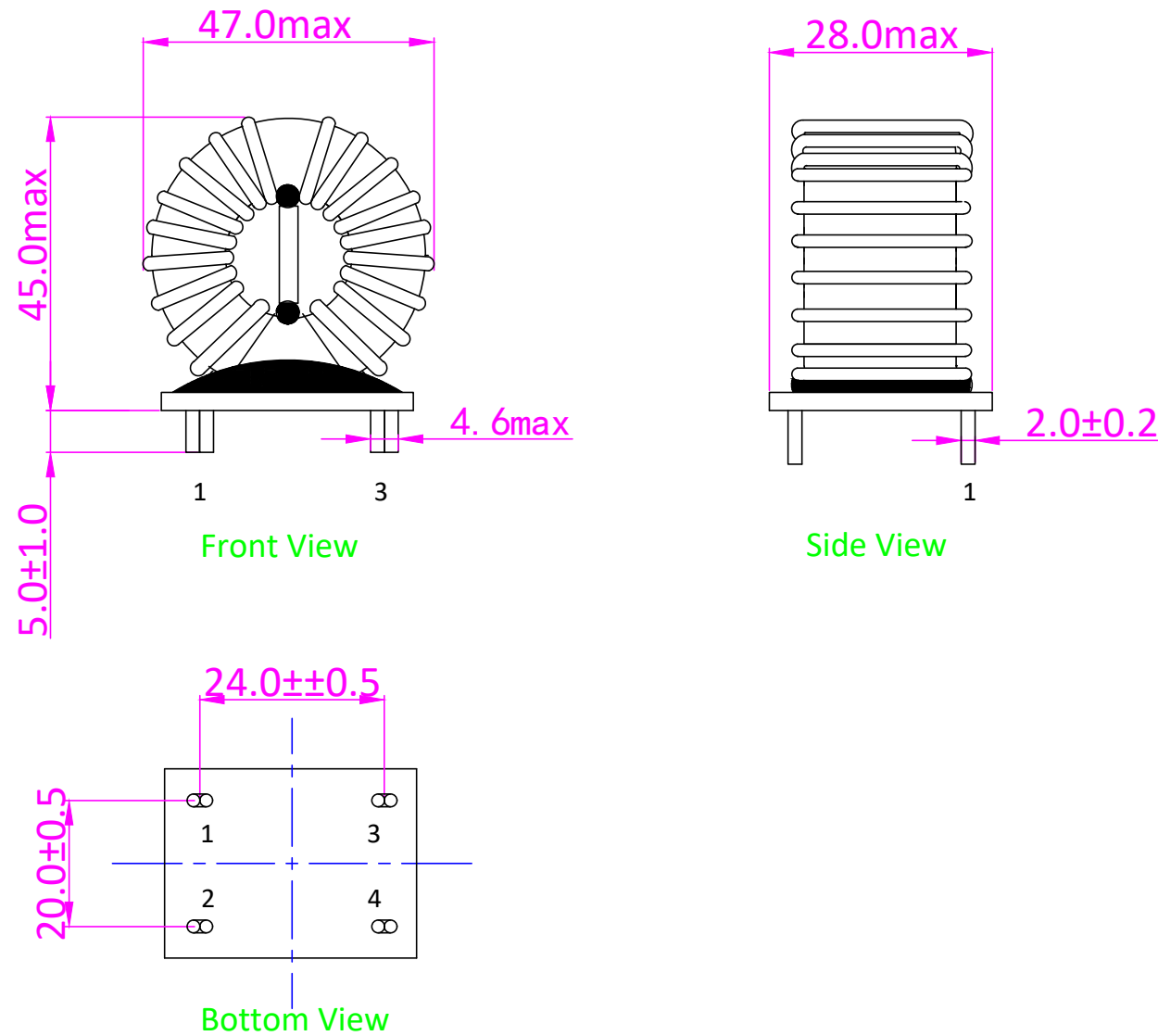


Common mode choke / 4 Pin / 0.5mH~1.0mH 25A / FL31024R

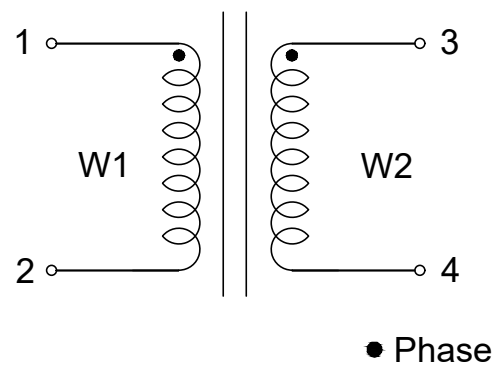


REV	DESCRIPTION	DATE	APPROVED
00	First Release	2023-03-22	Musk
01	Add temperature rise	2023-03-24	Musk

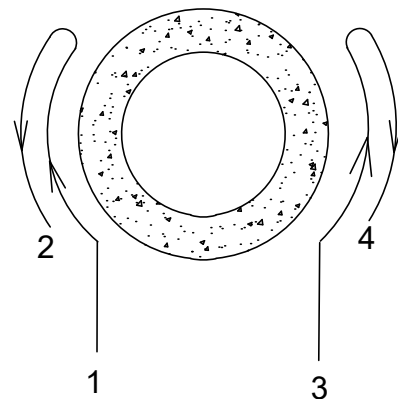
Outline Dimensions(Unit:mm)



Electronical Schematic:



Winding Method:



Construction:

Constructed with UL rated 130°C (Class B) materials.

Electrical Characteristics:

No.	Item	Terminal	Technical Data	Test Condition & Instrument
1	Inductance	1-2	0.5mH~1.0mH	CH3302, 80kHz 0.1V, 0Adc @ 25°C
		3-4		
2	D.C. Resistance	1-2	2.5 mΩ Max	TH2516 @ 25°C
		3-4		
3	Temperature rise	/	55K Max	25Arms @ 25°C
4	Turns Ratio	W1:W2	8:8±1%	TH2829A, 20kHz 0.3V @ 25°C
5	Hi-Pot	Wdg - Wdg	5mA Max	TH9320, 1800VAC 50/60Hz 3S @ 25°C
		Core - Coil		

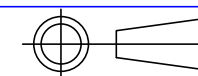
Winding step:

WDG	Terminal	Wire Gauge	Turns	Tape	Tube	Remarks
W1	1-2	Ø2.00mm*2P QZY-2/180	8 Ref	/	/	Tight winding
W2	3-4	Ø2.00mm*2P QZY-2/180	8 Ref	/	/	Tight winding

Note: Inductor need to be varnished

List of UL Certificate:

No.	Part name	Description	Supplier(or equivalent)	UL Number
1	Core	H36x23x15 R10K T36x23x15 M10K	DMEGC TDMT	N/A
2	Copper Wire	QZY-2 / 180C	NINGBO JINTIAN NEW MATERIAL CO LTD	E227047
3	Spacer	FR-4 KB-6160	KINGBOARD LAMINATES HOLDINGS LTD	E123995
4	Base	FR-4 KB-6160	KINGBOARD LAMINATES HOLDINGS LTD	E123995
5	Epoxy	E-500	DONGGUAN EATTO ELECTRONIC MATERIAL CO LTD	E218090
6	Varnish	T-4260(a)	SUZHOU TAIHU ELECTRIC ADVANCED MATERIAL CO LTD	E228349



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

Common mode Choke

POWEL P/N

FL31024R

Customer P/N