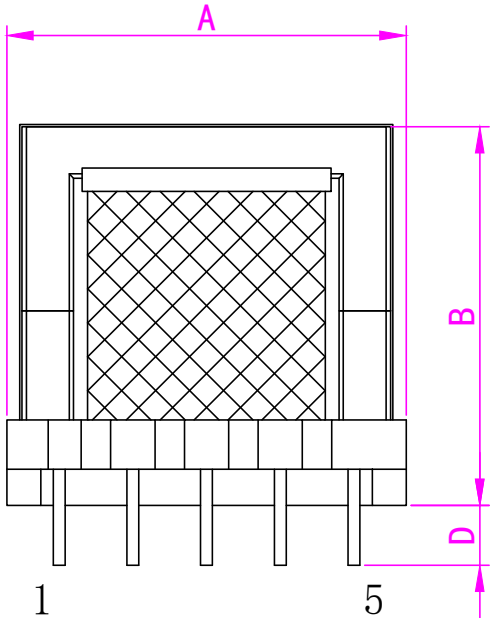


Flyback EF25 Ver2 / TS11018R

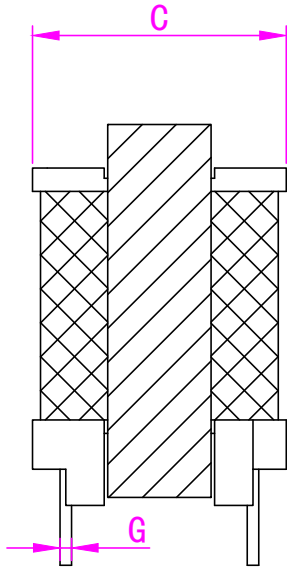


REV	DESCRIPTION	DATE	APPROVED
00	First Release	2023-05-20	Musk

Outline Dimensions(Unit:mm)

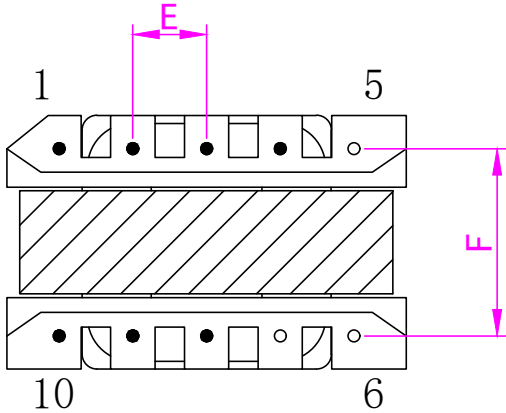


Front View

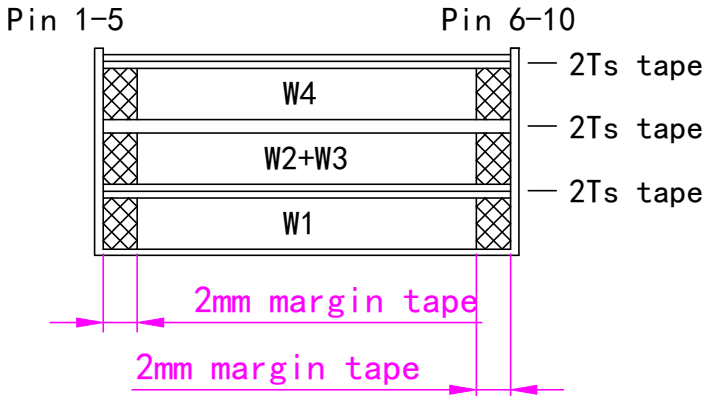


Side View

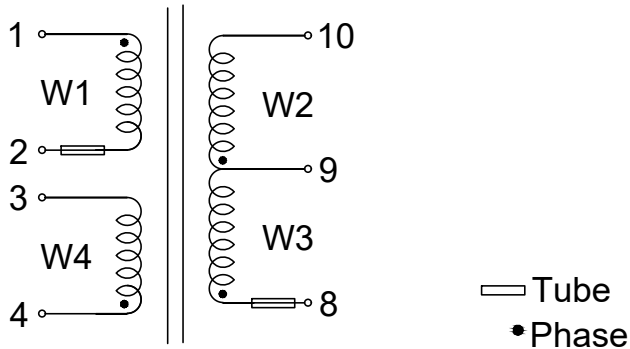
- A: 28.0 MAX;
- B: 29.0 MAX;
- C: 21.5 MAX;
- D: 4.0±0.5;
- E: 5.0±0.3;
- F: 12.7±0.5;
- G: Φ0.8±0.1;



Bottom View



Electronical Schematic:



Construction:

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

Electrical Characteristics:

No.	Item	Terminal	Technical Data	Test Condition & Instrument
1	Inductance	1--2	850uH±10%	TH2829C, 10kHz 0.1V 0Adc @ 25°C
2	Leakage Inductance	1--2 shorted others	45uH Max	TH2829C, 10kHz 0.1V 0Adc @ 25°C
3	D.C. Resistance	1--2	TBD mΩ max	TH2516B @ 25°C
		3--4	TBD mΩ max	
		10--8	TBD mΩ max	
4	Turns Ratio	W1:W2:W3:W4	80:9:15:6 ± 1%	TH2829A, 20kHz 0.3V @ 25°C
5	Hi-Pot	W1+W4 - W2+W3	5mA Max	TH9320, 3.0KVAC 50Hz 2S @ 25°C
		Coil - Core	5mA Max	TH9320, 3.0KVAC 50Hz 2S @ 25°C

Winding step:

WDG	Terminal	Wire Gauge	Turns	Tape	Tube	Remarks
W1	1--2	Ø0.25mm*1P 2UEW/155	80 Ref	2Ts	30L	Tight 2 layer
W2	9--10	Ø0.45mm*1P TIW	9 Ref	2Ts	/	Tight 1 layer
W3	8--9	Ø0.45mm*1P TIW	15 Ref	2Ts	/	
W4	4--3	Ø0.25mm*1P 2UEW/155	9 Ref	2Ts	/	Center 1 layer

List of UL Certificate:

No.	Part name	Description	Supplier(or equivalent)	UL Number
1	Ferrite Core	EF25 3C90 EF25 DMR44	FERROXCUBE DMEGC	N/A
2	Bobbin	T375J	CHANG CHUN PLASTICS CO LTD	E59481
3	Copper Wire	2UEW/155	HUIZHOU HUILI INDUSTRIAL CO LTD	E317107
4	Tape	CT*	JINGJIANG YAHUA PRESSURE SENSITIVE GLUE CO LTD	E165111
5	Tube	CB-TT	CHANGYUAN ELECTRONICS GROUP CO LTD	E180908
6	Varnish	T-4260(a)	SUZHOU TAIHU ELECTRIC ADVANCED MATERIAL CO LTD	E228349

	High Frequency Transformer	
	POWER P/N	TS11018R
	Tolerances unless otherwise specified: (.X)±0.50 (.XX±0.25)	Customer P/N
		Flyback EF25 Ver2