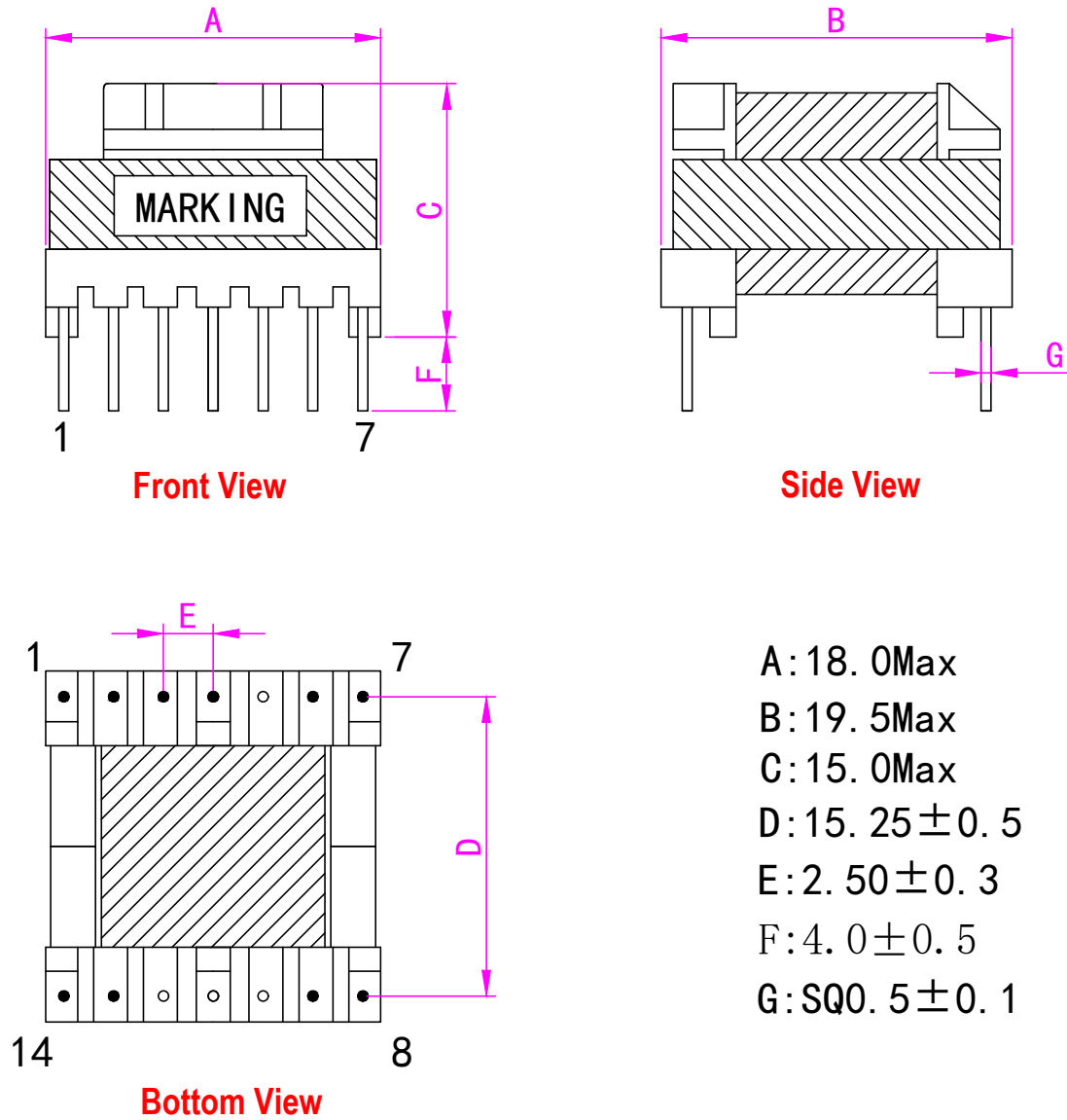


EF16 with 14 pins flyback transformer / TS11022R

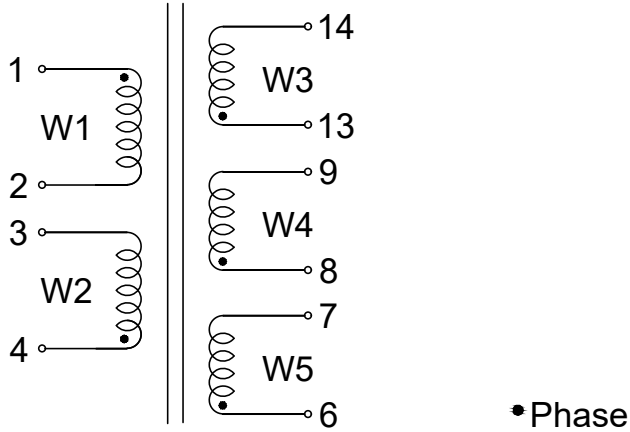


REV	DESCRIPTION	DATE	APPROVED
00	First Release	2023-05-23	Musk

Outline Dimensions(Unit:mm)



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	23uH±10%	TH2829C, 10kHz 0.1V 0Adc @ 25°C
2	Leakage Inductance	1--2 shorted others	TBD uH 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	
		14-13/9-8/7-6	TBD mΩ max	
4	Turns Ratio	W1:W2:W3:W4:W5	15:25:40:40:40 ± 1%	TH2829A, 20kHz 0.3V @ 25°C
5	Hi-Pot	Coil - Coil Coil - Core	5mA Max	TH9320, 0.2KVAC 50Hz 2S @ 25°C

Winding step:

WDG	Terminal	Wire Gauge	Turns	Tape	Tube	Remarks
W1	1--2	Ø0.30mm*2P 2UEW/130	15 Ref	2Ts	/	Tight 1 layer
W2	4--3	Ø0.30mm*2P 2UEW/130	25 Ref	2Ts	/	Tight 2 layer
W3	13--14	Ø0.15mm*1P 2UEW/130	40 Ref	2Ts	/	Evenly 1 layer
W4	8--9	Ø0.15mm*1P 2UEW/130	40 Ref	2Ts	/	Evenly 1 layer
W5	6--7	Ø0.15mm*1P 2UEW/130	40 Ref	2Ts	/	Evenly 1 layer

List of UL Certificate:

No.	Part name	Description	Supplier(or equivalent)	UL Number
1	Ferrite Core	EF16 3C90 EF16 DMR44	FERROXCUBE DMEGC	N/A
2	Bobbin	T375J	CHANG CHUN PLASTICS CO LTD	E59481
3	Copper Wire	2UEW/130	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	TS11022R
	Customer P/N	EF16 with 14 pins flyback trans

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