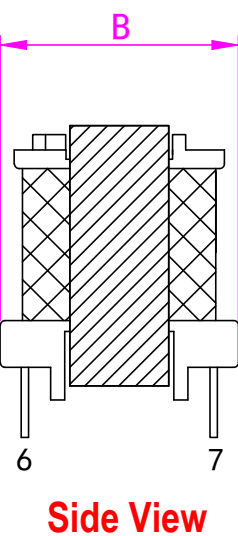
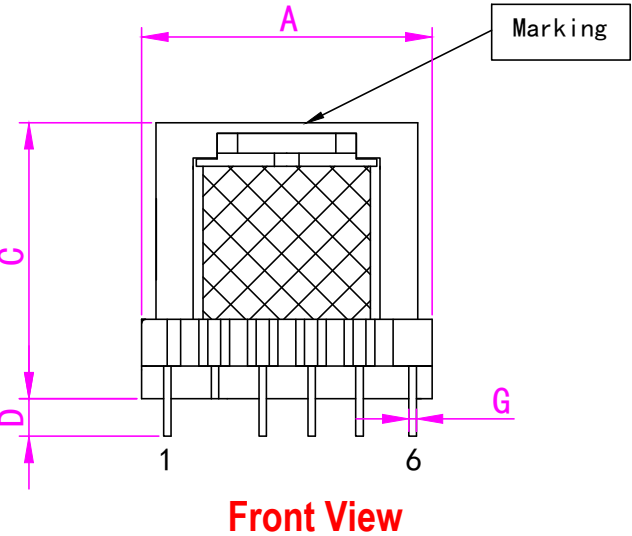


EE30 Gate Drive Transformer / TS11083R



REV	DESCRIPTION	DATE	APPROVED
A	First Release	2024-03-21	Mark

Outline Dimensions(Unit:mm)



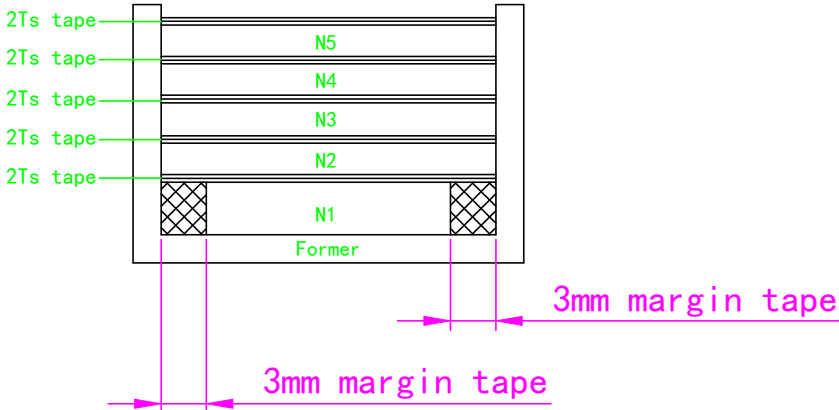
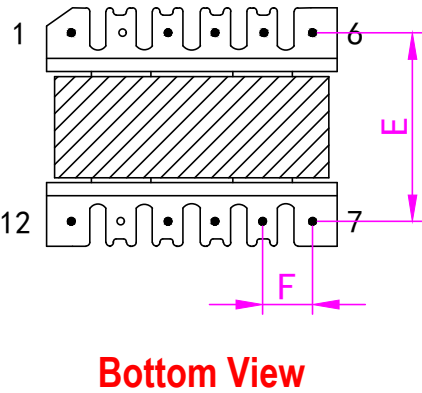
- A: 31.5 Max.
- B: 26.0 Max.
- C: 30.0 Max
- D: 4.0±0.5
- E: 20.0±0.5
- F: 5.0±0.3
- G: ø0.8±0.2

Electrical Characteristics:

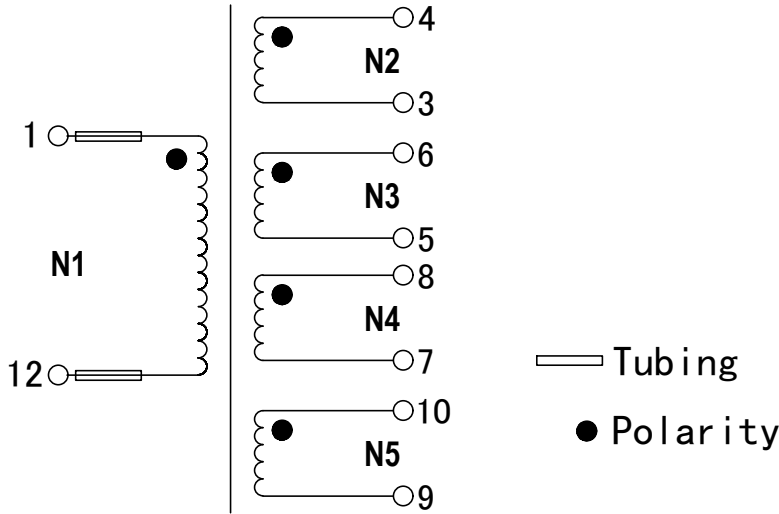
No.	Item	Terminal	Technical Data	Test Condition & Instrument
1	Inductance	1 - 12	1mH Min	TH2829C, 30kHz 0.1V 0Adc @ 25°C
2	Turns ratio	W1:W2:W3:W4:W5	20:30:30:30:30±2%	TH2829XA, 20kHz 1V @ 25°C
3	Hi-Pot	N1 - Others	3mA Max	TH9320, 3.0KVAC 50Hz 60S @ 25°C
		WDG - Core	3mA Max	TH9320, 1.5KVAC 50Hz 60S @ 25°C

Winding step:

WDG	Terminal	Wire Gauge	Turns	Tape	Tube	Remarks
W1	1 - 12	Ø0.30mm*1P TIW	20 Ref	2Ts	/	Tight Winding
W2	4 - 3	Ø0.30mm*1P 2UEW	30 Ref	2Ts	/	Tight Winding
W3	6 - 5	Ø0.30mm*1P 2UEW	30 Ref	2Ts	/	Tight Winding
W4	8 - 7	Ø0.30mm*1P 2UEW	30 Ref	2Ts	/	Tight Winding
W5	10 - 9	Ø0.30mm*1P 2UEW	30 Ref	2Ts	/	Tight Winding



Electronical Schematic:



Construction:

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

List of UL Certificate:

No.	Part name	Description	Supplier(or equivalent)	UL Number
1	Ferrite Core	EE30/15/7 3C90 EE30/15/7 DMR44	FERROXCUBE DMEGC	N/A
2	Bobbin	T375J	CHANG CHUN PLASTICS CO LTD	E59481
3	Copper Wire	2UEW	NINGBO JINTIAN NEW MATERIAL CO LTD	E227047
		TEX-E	FURUKAWA ELECTRIC CO LTD	E206440
4	Tape	CT*	JINGJIANG YAHUA PRESSURE SENSITIVE GLUE CO LTD	E165111
5	Varnish	T-4260(a)	SUZHOU TAIHU ELECTRIC ADVANCED MATERIAL CO LTD	E228349

	High Frequency Transformer	
	POWER P/N	TS11083R
	Customer P/N	EE30 Gate Drive Transformer