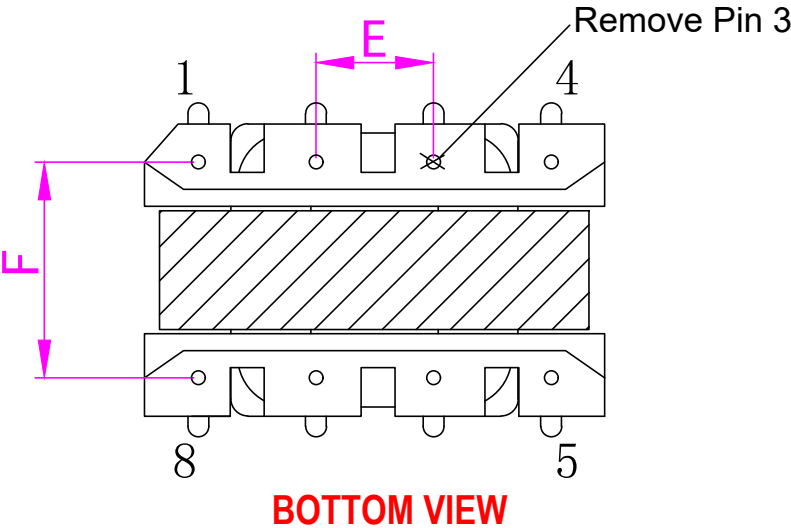
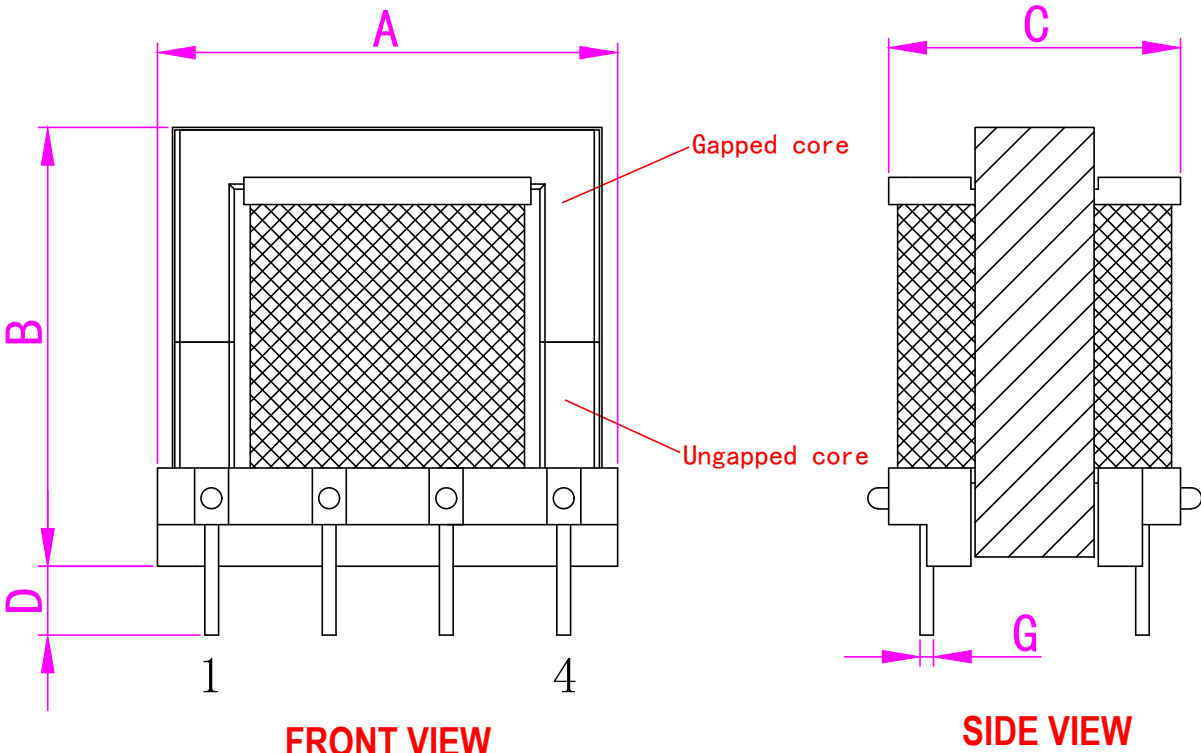


EF16 15V flyback transformer / TS11082R



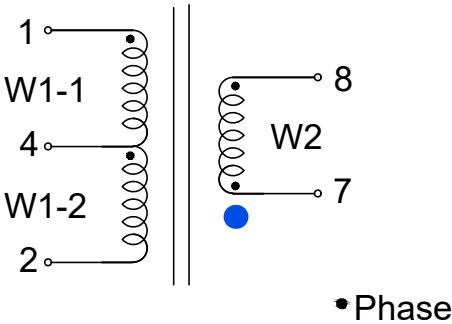
REV	DESCRIPTION	DATE	APPROVED
A	First Release	2024-03-21	Mark

Outline Dimensions(Unit:mm)



A:18.5 max
B:20.5 max
C:13.5 max
D:4.0±0.5
E:3.8±0.3
F:8.8±0.5
G;ø0.6±0.1

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	300uH±10%	TH2829C, 100kHz 0.1V 0Adc @ 25°C
		7 - 8	41uH±10%	
2	Leakage Inductance	1 - 2	15uH Max	TH2829C, 10kHz 0.1V 0Adc @ 25°C
3	D.C. Resistance	1 - 2	TBD Ω max	TH2516B @ 25°C
		7 - 8	TBD Ω max	
4	Turns ratio	W1:W2	51:19±2%	TH2829XA, 20kHz 1V @ 25°C
5	Hi-Pot	WDG - WDG	5mA Max	TH9320, 3.0KVAC 50Hz 60S @ 25°C
		WDG - Core	5mA Max	TH9320, 1.5KVAC 50Hz 60S @ 25°C
6	Weight	about 7g		

Winding step:

WDG	Terminal	Wire Gauge	Turns	Tape	Tube	Remarks
W1-1	1 - 4	Ø0.45mm*1P 2UEW	38 Ref	2Ts	/	Tight Winding
W2	7 - 8	Ø0.50mm*1P TIW	19 Ref	2Ts	/	Tight Winding
W1-2	4 - 2	Ø0.45mm*1P 2UEW	13 Ref	2Ts	/	Tight Winding

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	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	TS11082R
	Customer P/N	EF16 15V flyback transformer

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