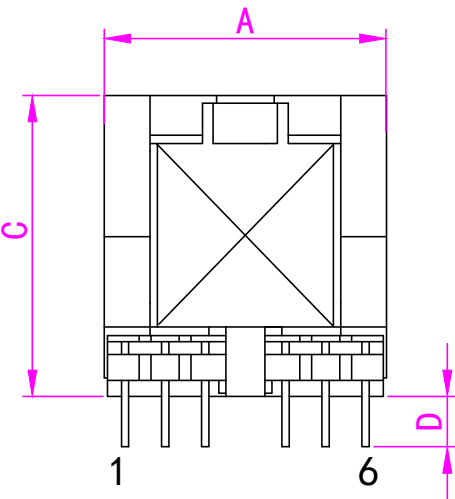


PQ3535 LLC Transformer (13:3:3) / TS11061R

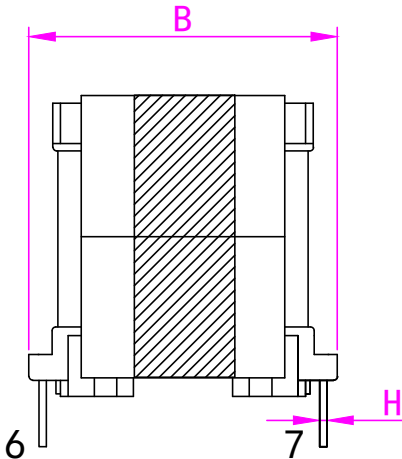


REV	DESCRIPTION	DATE	APPROVED
00	First Release	2023-11-19	Mark

Outline Dimensions(Unit:mm)

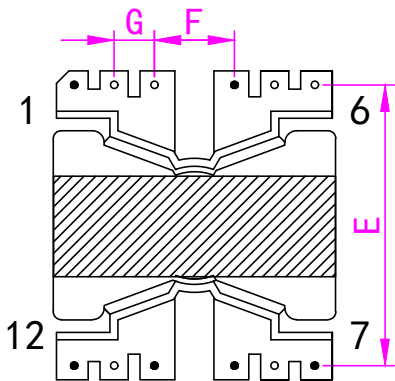


Front View

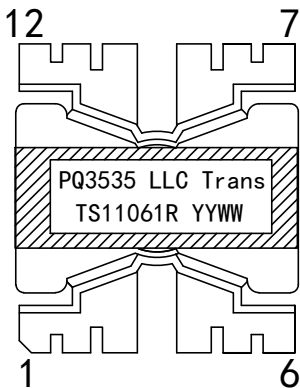


Side View

- A: 38 MAX
B: 41 MAX
C: 40 MAX
D: 4.0±0.5
E: 35.5±0.5
F: 10.0±0.5
G: 5.0±0.3
H: φ0.8±0.1

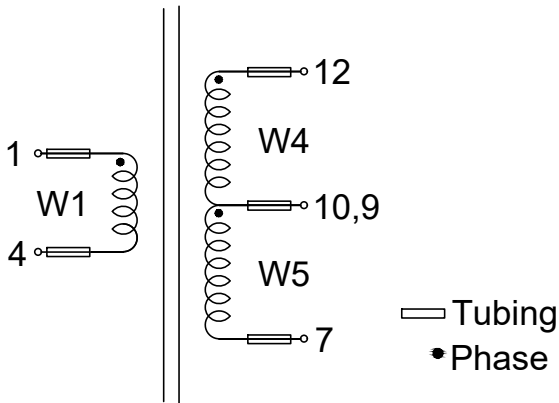


Bottom View



Top View

Electronical Schematic:



Construction:

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

Electrical Characteristics:

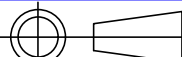
No.	Item	Terminal	Technical Data	Test Condition & Instrument
1	Inductance	1-4	160u±15%	TH2829C, 10kHz 0.1V 0Adc @ 25°C
2	Leakage Inductance	1-4	40uH Ref	TH2829C, 10kHz 0.1V 0Adc @ 25°C
3	Turns Ratio	W1:W4:W5	13:3:3 ± 1%	TH2829A, 20kHz 0.3V @ 25°C
4	Hi-Pot	W1 - W4+W5 WDG - Core	5mA Max	TH9320, 3.0KVAC 50Hz 60S @ 25°C

Winding step:

WDG	Terminal	Wire Gauge	Turns	Tape	Tube	Remarks
W1	1 - 4	Ø0.10mm*75P USTC	13 Ref	3Ts	19L	Tight winding
W4	12 - 10,9	Ø0.10mm*250P Litz	3 Ref	0Ts	12L	Bi-filar winding
W5	10,9 - 7	Ø0.10mm*250P Litz	3 Ref	3Ts	12L	

List of UL Certificate:

No.	Part name	Description	Supplier(or equivalent)	UL Number
1	Ferrite Core	PQ3535 3C90 PQ3535 DMR44	FERROXCUBE DMEGC	N/A
2	Bobbin	T375J	CHANG CHUN PLASTICS CO LTD	E59481
3	Copper Wire	Litz / 2UEW / F	HUIZHOU HUILI INDUSTRIAL CO LTD	E317107
4	Tape	CF*	JINGJIANG YAHUA PRESSURE SENSITIVE GLUE CO LTD	E165111
5	Tube	CB-TT	CHANGYUAN ELECTRONICS GROUP CO LTD	E180908
6	Epoxy	E-500	DONGGUAN EATTO ELECTRONIC MATERIAL CO LTD	E218090
7	Varnish	T-4260(a)	SUZHOU TAIHU ELECTRIC ADVANCED MATERIAL CO LTD	E228349

 TEKNOLOJI	High Frequency Transformer	
	POWER P/N	TS11061R
	Tolerances unless otherwise specified: (.X)±0.50 (.XX±0.25)	Customer P/N PQ3535 LLC Transformer