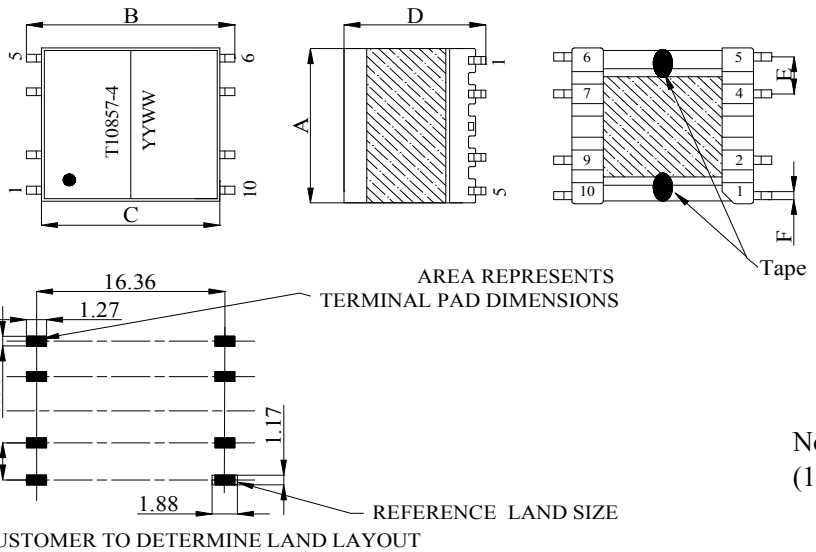
SPECIFICATION FOR APPROVAL

OUTLINE DIMENSION

CUSTOMER	*	**DESCRIPTION**	**EP13 Transformer**
CUSTOMER PART NO.		**VERSION**	**1.0**
PART NO	**T10857-4**	**PAGE NO**	**1 OF 3**

1. OUTLINE DIMENSION(UNIT:mm):



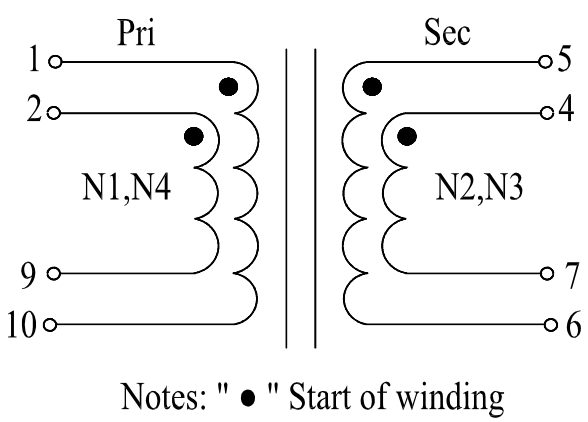
A	13.46		(Max.)	mm
B	17.75		(Max.)	mm
C	13.97		(Max.)	mm
D	12.70		(Max.)	mm
E	2.49	±	0.3	mm
F	0.70		(Ref.)	mm
G				mm
H				mm

Note:
(1) The marking:

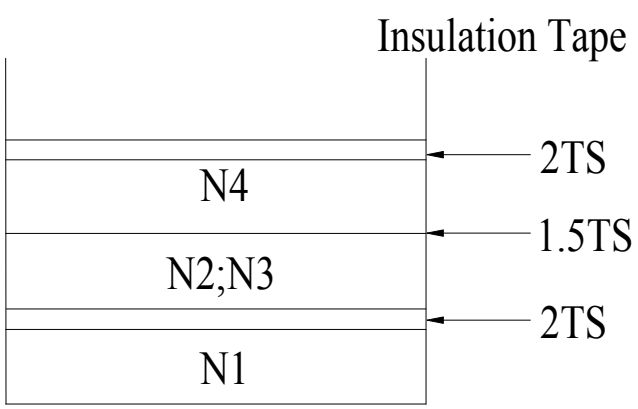
T10857-4 YY WW

YY: Year ; WW: Week.
(2) Pin1 Mark black dot;
(3) Fix cores with epoxy.

2. SCHEMATIC DIAGRAM:



Notes: " ● " Start of winding



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SPECIFICATION FOR APPROVAL

WINDING & ELECTRICAL CHARACTERISTIC SPEC

CUSTOMER	*	**DESCRIPTION**	**EP13 Transformer**
CUSTOMER PART NO.		**VERSION**	**1.0**
PART NO	**T10857-4**	**PAGE NO**	**2 OF 3**

3. WINDING PARAMETER:

WINDING No.	MATERIAL SPEC.	Start PIN--Finish PIN	TURNS	MYLAR TAPE	MARGIN TAPE		Winding Method	REMARK
					TOP	PIN		
N1	wire ¢ 0.45mm*1P UEFN/U	1 - 10	6	2			Space	
N2	wire ¢ 0.45mm*1P UEFN/U	4 - 7	6	1.5			Bifilar	
N3	wire ¢ 0.45mm*1P UEFN/U	5 - 6	6					
N4	wire ¢ 0.45mm*1P UEFN/U	2 - 9	6	2			Space	

NOTE:

4. ELECTRICAL CHARACTERISTIC:

NO.	ITEM	MEASURE POINT	TECHNICAL DATA	CONDICATION/REMARK
1	INDUCTANCE	Pin(1-10)	3.46uH ± 10%	At 100KHz 10mV, tie(1+2, 9+10)
2	L@Isat	Pin(1,2-10,9)	20% roll off from initial(Typical)	At 100KHz 10mV & 10.2Adc
3	LEAKAGE INDUCTANCE	Pin(1-10)	0.12uH Max.	At 300KHz 50mV , tie(1+2,9+10,4+5+6+7)
4	DCR Test	Pin(1-10)	12.0mΩ Max.	tie(1+2, 9+10)@25℃
		Pin(5-6)	12.0mΩ Max.	tie(4+5, 6+7)@25℃
5	HI-POT Test	Pin(1-6)	0.5KV DC	1mA 1S 50/60Hz tie(1+2,4+5)
6	TURNS RATIO Test	(1-10):(2-9)	1:1,± 1%	
		(1-10):(4-7)	1:1,± 1%	
		(1-10):(5-6)	1:1,± 1%	

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SPECIFICATION FOR APPROVAL

DATA SHEET

CUSTOMER	*	**DESCRIPTION**	**EP13 Transformer**
CUSTOMER PART NO.		**VERSION**	**1.0**
PART NO	**T10857-4**	**PAGE NO**	**3 OF 3**

5.1OUTLINE DIMENSION (UNIT:mm):

TEST ITEM	SPEC.	MAX	MIN	1	2	3	4	5		AVERAGE
A	13.46 (Max.) mm	12.98	12.93	12.98	12.98	12.93	12.96			12.963
B	17.75 (Max.) mm	17.31	17.07	17.08	17.31	17.07	17.25			17.178
C	13.97 (Max.) mm	13.17	13.08	13.10	13.08	13.14	13.17			13.123
D	12.70 (Max.) mm	12.29	12.13	12.13	12.15	12.25	12.29			12.205
E	2.49 ± 0.30 mm	2.49	2.47	2.47	2.47	2.47	2.49			2.475
F	0.700 (Ref.) mm	0.73	0.70	0.71	0.70	0.73	0.72			0.715
G	mm									
H	mm									

5.2 ELECTRICAL CHARACTERISTIC:

TEST ITEM	MEASURE POINT	TEST CONDITION	SPEC.	1	2	3	4	5		AVERAGE
INDUCTANCE	Pin(1-10)	At 100KHz 10mV, tie(1+2, 9+10)	3.46uH ± 10%	3.29	3.49	3.32	3.25			3.338
L@Isat	Pin(1,2-10,9)	At 100KHz 10mV & 10.2Adc	20% roll off from initial(Typical)	3.20	3.23	3.19	3.27			3.223
Lk	Pin(1-10)	At 300KHz 50mV , tie(1+2,9+10,4+5+6+7)	0.12uH Max.	0.077	0.066	0.073	0.080			0.074
DCR Test	Pin(1-10)	tie(1+2, 9+10)@25℃	12.0mΩ Max.	8.98	8.85	9.08	9.29			9.050
	Pin(5-6)	tie(4+5, 6+7)@25℃	12.0mΩ Max.	9.49	8.79	9.61	9.58			9.368
HI-POT Test	Pin(1-6)	1mA 1S 50/60Hz tie(1+2,4+5)	0.5KV DC	PASS	PASS	PASS	PASS			N/A

5.3TEST INSTRUMENTS:

L&Lk&SRF： WK3260B ;

DCR： Gain Kai Ta 502BCOHM;

HI-POT： CH19053.

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