

REV	APPROVED	DESCRIPTION OF CHANGES	DATE
-	GaoJian	NEW	2022-03-30

PRODUCT DESCRIPTION

PART No. L-KLS18-EE4.2-821-1100

Drawing	Gaojian	CUST P/N	
Approved	Gaojian	CUST REV	

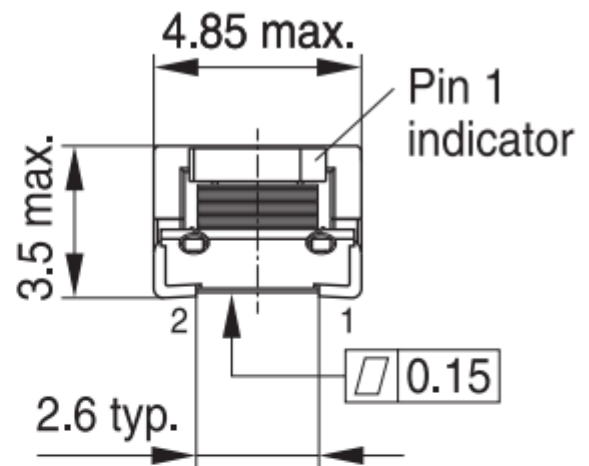
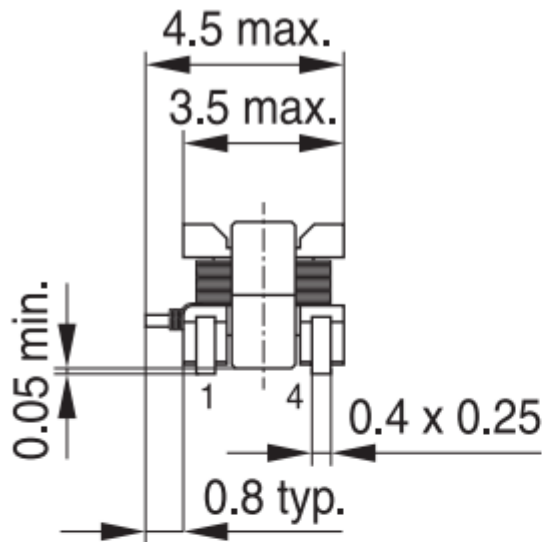
宁波开乐亿启电子有限公司 新品研发部

NingBo KLS ELECTRONIC Co., LTD

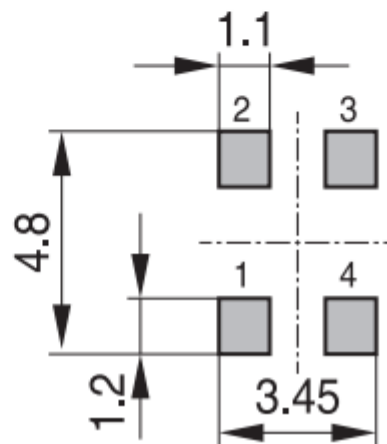
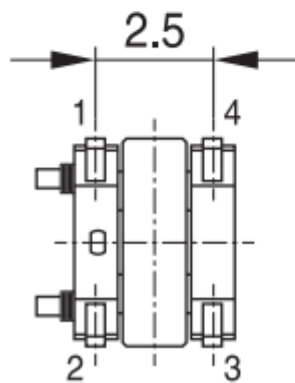
PRODUCT DESCRIPTION

PRODUCT	E TYPE TRANSFORMER	PART No	L-KLS18-EE4.2-821-1100
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Description (units in mm)



Recommended PCB layout
(Top View)



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PRODUCT	E TYPE TRANSFORMER		PART No	L-KLS18-EE4.2-821-1100	
SCHEMATIC DIAGRAM:					
4 0.2 mm× 0.4 mm TINNED COPPER 1T 3 1 DIA 0.04 2UEW-F P180℃ 100T 2					
WINDING SHEET					
	SEC.		PRI.		
Winding #	N1-2		N4-3		
Lead ident.	1	2	4	3	
Wire size type	DIA0.04 2UEW -F		0.2mm × 2.0mm TINNED COPPER		
Total turns	100T		1T		
Turns/Layer					
Total Layers					
Winding length					
winding insul	-				
Lead Size&Tape	Self + Pins		-		
BOBBIN		EE4 OR EQUAL			
CORE		EE4			
BUILD UP		87.7%			
TEM. CLASS		180℃			
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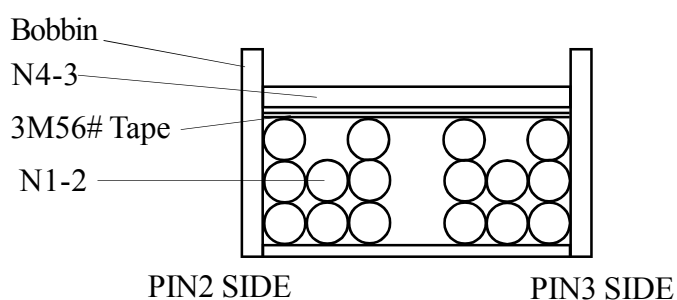
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Winding construction

Assemble description

- 1.EPOXY CLIP TO CORE
- 2.BAKE THE PARTS TO CURE THE EPOXY.
- 3.PUT WHITE DOT NEAR PIN 1
- 4.TEST PER THE TEST PROCEDURE
- 5.COPLANARITY 4 PIN WITHIN 0.13MM.
- 6.OPE TEMP:-40°C -125°C



Coil Section

ELECTRICAL TEST

- 1.Dielectric strength: PRI. to SEC+CORE: 300VAC 50Hz 0.5mA for 2 second.
There shall be no evidence of arcing or breakdown.
- 2.Inductance 100KHz 1V RMS @+25°C Pin1-2: 820uH Min.
- 3.DC Resistance: 1-2: 5.0 OhmS MAX.
4-3: 3.0 mOhmS MAX.
4. Turn Ratio 20KHz 1V N1-2:N4-3: 100:1+/-0.2T
- 5.IRMS: 6A MAX

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