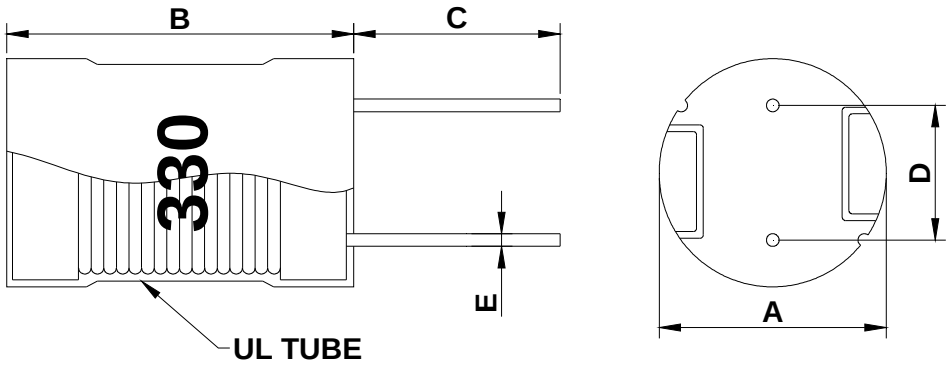
ISO9001 & ISO14001 & TS16949 **CHILISIN ELECTRONICS CORP.**

SPECIFICATIONFOR APPROVAL

CUSTOMER	ELTECH	CLS DWG. NO. CE1-530500	Rev A
CUSTOMER'S PART NO/DWG NO.	DESCRIPTION **SL0809T-330K-N**	DATE 2015/3/31	

(1)MECHANICAL ASSEMBLY

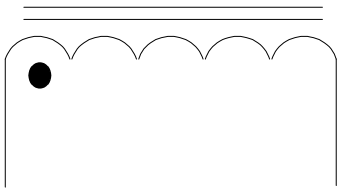


A	9.5max	m/m
B	11.5max	m/m
C	5.0±1.0	m/m
D	5.0±0.5	m/m
E	0.65±0.1	m/m

(2)ELECTRICAL REQUIREMENTS

L	33.0±10%	uH	TEST FREQUENCY	2.52MHZ 1V
RDC	70.0max	mΩ		
IDC	1.4max	A	TEST FREQUENCY	1KHZ 1V
Irms	1.1max	A	TEST FREQUENCY	△T≦20℃
SRF	7.0min	MHZ		

(3)SCHEMATIC



(4)TEST INSTRUMENTS

*HP4284A+HP42841A (IDC,Irms)
*16502 (RDC)
*HP4285(SRF)
*HP4285A(L)

*Storage Temperature: Under ２５℃ ,Humidity < 75% RH(6 Month)
* Operating temperature -25℃ to +85℃

NOTE:

*Pin:0.65φ CP
*Solder:Sn99.3Cu0.7
*TUBE:9φ Black UL

* The casing need to be stamped with the words "330" in white,to improve in the process of mass production

*IDC:L drop 10%max

*The current shall not exceed the specified one when using this part.

APPROVED BY Tangshan

CHECKED BY Liukan

DRAWN BY Jiusheng

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TEST DATA FOR PREPRODUCTION SAMPLES

CUSTOMER								CLS DWG. NO.		Rev
ELTECH								CE1-530500		A
CUSTOMER'S PART NO./DWG.NO.		DESCRIPTION						DATE		
		SL0809T-330K-N						2015/3/31		
								QUANTITY		PCS.
MEAS. ITEM	L uH	RDC mΩ	IDC A	Irms A	SRF MHZ					
SPEC CUSTOMER SUGGEST	33.0±10%	70.0max	1.4max	1.1max	7.0min					
TEST FREQ.	2.52MHZ 1V		1KHZ 1V	ΔT≦20℃						
1	34.50	63.30	OK	OK	8.70					
2	34.30	62.60	OK	OK	9.60					
3	34.90	63.80	OK	OK	9.90					
4	33.80	61.40	OK	OK	9.00					
5	33.50	63.10	OK	OK	8.20					
6	33.90	62.30	OK	OK	8.60					
7	34.30	63.00	OK	OK	9.00					
8	33.20	63.10	OK	OK	9.90					
9	34.00	63.70	OK	OK	9.20					
10	34.20	61.80	OK	OK	8.40					
11										
12										
13										
14										
15										
$\overline{X}$	34.06	62.81			9.05					
R	1.70	2.40			1.70					
CUSTOMER SAMPLE										

TEST CONDITION: TEMP. R.H. 65%	APPROVED BY Tangshan
	CHECKED BY Liukan
	DRAWN BY Jiusheng

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TEST DATA FOR PREPRODUCTION SAMPLES

CUSTOMER							CLS DWG. NO.		Rev
ELTECH							CE1-530500		A
CUSTOMER'S PART NO./DWG.NO.		DESCRIPTION					DATE		
		SL0809T-330K-N					2015/3/31		
							QUANTITY		PCS.
MEAS. ITEM	A mm	B mm	C mm	D mm	E mm				
SPEC CUSTOMER SUGGEST	9.5max	11.5max	5.0±1.0	5.0±0.5	0.65±0.1				
TEST FREQ.									
1	8.81	10.82	5.09	4.92	0.64				
2	8.74	10.73	5.05	4.96	0.65				
3	8.76	10.43	5.08	5.13	0.65				
4	8.66	10.83	5.13	4.95	0.64				
5	8.67	10.64	5.08	5.15	0.68				
6	8.62	10.80	5.25	5.08	0.68				
7	8.96	10.81	5.09	4.92	0.64				
8	8.80	10.82	5.24	4.91	0.65				
9	8.63	10.72	4.95	5.07	0.64				
10	8.99	10.77	5.08	4.92	0.64				
11									
12									
13									
14									
15									
$\bar{X}$	8.76	10.74	5.10	5.00	0.65				
R	0.37	0.40	0.30	0.24	0.04				
CUSTOMER SAMPLE									

TEST CONDITION: TEMP. 25 ℃ R.H. 65%	APPROVED BY Tangshan
	CHECKED BY Liukan
	DRAWN BY Jiusheng

Rev
A

5. MATERIAL LIST :

ITEM	PART	DESCRIPTION	TEMP	SUPPLIERS	UL NO.
1	WIRE	0.47φ	155℃	JUNG SHING OR EQUIV	E174837
2	CORE	FERRITE		CHENZHOU OR EQUIV	
3	EPOXY	FK661-9		QIFU OR EQUIV	
4	Pin	0.65 φ CP		MINGTONG OR EQUIV	
5	Solder	Sn99.3Cu0.7		QUANJIA OR EQUIV	
6	TUBE	9 φ Black UL		XINGQI OR EQUIV	

DRAWN BY	CHECKED BY	APPROVED BY	CUSTOMER : ELTECH	DATE	2015/3/31
Jiusheng	Liukan	Tangshan	RART NO :	REV	
			ISSUE NO : SL0809T-330K-N	RACE	

1-1 Mechanical Performance

No	Item	Specification	Test Method
1-1-1	Vibration	Appearance: No damage L change: within±10%	Test device shall be soldered on the substrate Oscillation Frequency: 10 to 55 to 10Hz for 1min Amplitude: 1.5mm Time: 2hrs for each axis (X, Y & Z), total 6hrs

1-2 Environmental Performance

No	Item	Specification	Test Method
1-2-1	Temperature Cycle	Appearance: No damage L change: within±10%	One cycle: Step / Temperature (℃) / Time (min) 1 / -25±3 / 30 2 / 25±2 / 3 3 / 85±3 / 30 4 / 25±2 / 3 Total: 100cycles Measured after exposure in the room condition for 24hrs
1-2-2	Humidity Resistance		Temperature: 40±2℃ Relative Humidity: 90 ~ 95% Time: 1000hrs Measured after exposure in the room condition for 24hrs
1-2-3	Heat Life		Temperature: 85±3℃ Relative Humidity: 0% Applied Current: Rated Current Time: 1000hrs Measured after exposure in the room condition for 24hrs
1-2-4	Cold Resistance		Temperature: -25±3℃ Relative Humidity: 0% Time: 1000hrs Measured after exposure in the room condition for 24hrs