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

RoHS & Halogen Free & REACH Compliance.

SPECIFICATION FOR APPROVAL

CUSTOMER : ELTECH

CUSTOMER P/N :

OUR DWG No : **CE1-530500**

QUANTITY : **x** **Pcs.** **DATE** : **2015/3/31**

ITEM : **SL0809T-330K-N**

SPECIFICATION ACCEPTED BY:	
COMPONENT ENGINEER	
ELECTRICAL ENGINEER	
MECHANICAL ENGINEER	
APPROVED	
REJECTED	

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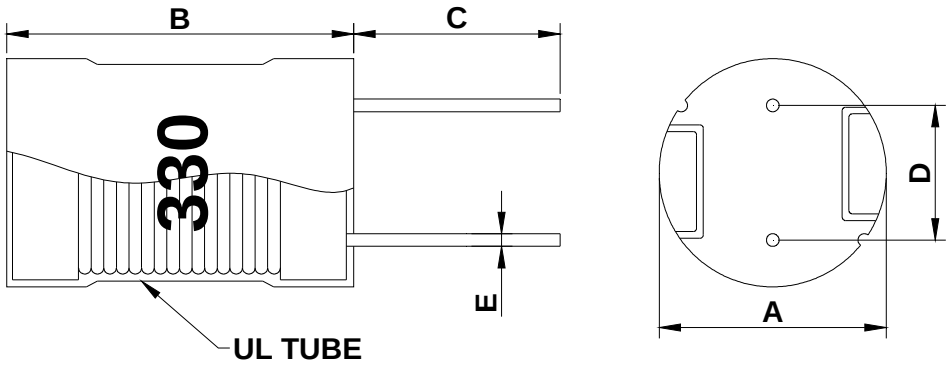
DRAWN BY	Jiusheng	CHECKED BY	Liukan	APPROVED BY	Tangshan	QRA BY	

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

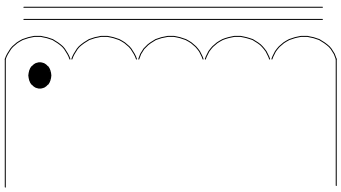


A	9.5max	m/m
B	11.5max	m/m
C	5.0±1.0	m/m
D	5.0±0.5	m/m
E	0.65±0.1	m/m

(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

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

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

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

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	0.65φ CP		MINGTONG OR EQUIV	
5	Solder	Sn99.3Cu0.7		QUANJIA OR EQUIV	
6	TUBE	9φ 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

Underwriters Laboratories Inc.®

OBMW2 September 8, 2000
Magnet Wire - Component

E174837

JUNG SHING WIRE CO LTD
231 CHUNG CHENG RD, SEC 3 JEN-TEH HSIANG, TAINAN
HSIEN TAIWAN

Mtl Dsg	Mark Dsg	Coat Typ BC	Coat Typ OC	ANSI Type	Temp Class
AIW	—	Polyamideimide	—	MW81-C	220
CFUEWB	—	Polyurethane	—	MW75C	130
EIAIW	—	Polyesterimide	Polyamideimide	MW35C	200
EILOCKY	—	Polyesterimide	Polyamide	—	180
EILOCKW	—	Polyesterimide	Modified Epoxy	—	200
EIW	—	Polyesterimide	—	—	220
EIW-2	—	Polyesterimide	—	MW74-C	200
FL.EILOCKY	—	Modified Polyester	Polyamide	—	155
LSFFW	—	Polyurethane	—	MW79-C	155
LSUEW	—	Polyurethane	—	—	130
PEW	—	Polyester	—	—	155
PEY	—	Polyester	Nylon	MW24-C	155
SF.FLW	—	Modified Polyester	—	MW26C	155
SF.EIW	—	Polyesterimide	—	MW77C	180
SF.BY@	—	Modified Polyester	Nylon	MW27-C	155
SF.FLY@	—	Modified Polyester	Nylon	MW27-C	155
SF.BLOCKBS	—	Modified Polyester	Modified Polyamide	—	155
SF.EILOCKY#	—	Polyesterimide	Polyamide	—	180
SF.EILOCKBS	—	Polyesterimide	Modified Polyamide	—	180
SF.BW@	—	Modified Polyester	—	MW26C	155
SFFW	—	Polyurethane		MW79	155

287806002 Page 1 of 2

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Mtl Dsg	Mark Dsg	Coat Typ BC	Coat Typ OC	ANSI Type	Temp Class
SFFY	—	Polyurethane	Polyamide	MW80C	155
UEW-1	—	Polyurethane	—	MW2-C	105
UEW-2	—	Polyurethane	—	—	130
UEW-4	—	Polyurethane	—	MW75C	130
UEY	—	Polyurethane	Nylon	MW28-C	130
UEY-2	—	Polyurethane	Polyamide	MW28-C	130

@-May be suffixed by LZ; # - May be suffixed by LZ, EL or LZL.
LZ - Signifies magnet wires twisted together; EL - signifies base coated magnet wire laid parallel with top coat applied overall; LZL - signifies base coated magnet wire twisted together and covered with top coat overall.

Marking: Company name or trademarks [redacted] or [redacted], material designation or marked designation on packaged or reel, and Recognized Component Mark.

See General Information Preceding These Recognitions
For use only in equipment where the acceptability of the combination is determined by Underwriters Laboratories Inc.