



QS9000 & ISO14001 & TS16949 **CHILISIN ELECTRONICS CORP.**

Lead-Free & RoHs Compliance!!

SPECIFICATION FOR APPROVAL

CUSTOMER : ELTECH

CUSTOMER P/N : _____

OUR DWG No : CE1-380375

QUANTITY : X Pcs. **DATE :** 2013/9/10

ITEM : SL0608T-100K-N

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

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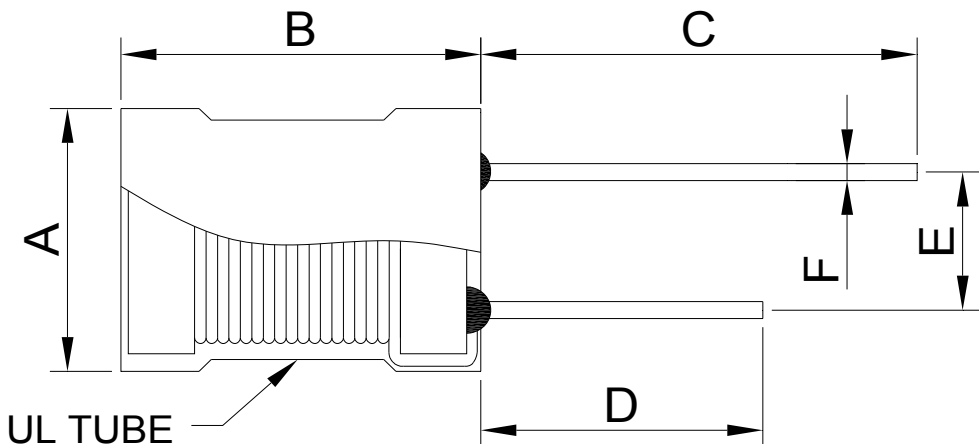
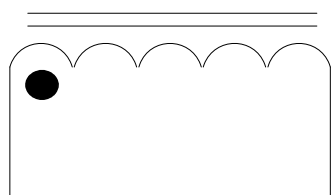
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DRAWN BY	Jiusheng	CHECKED BY	Liukan	APPROVED BY	Tangshan	QRA BY	
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QS9000 & ISO14001 & TS16949 CHILISIN ELECTRONICS CORP.

SPECIFICATION FOR APPROVAL

CUSTOMER			ELTECH			CLS DWG. NO. CE1-380375		Rev A	
CUSTOMER'S PART NO/DWG NO.			DESCRIPTION SL0608T-100K-N			DATE 2013/9/10			
(1)MECHANICAL ASSEMBLY 						A	6.7±0.5	m/m	
						B	10.0±1.0	m/m	
						C	25.0±5.0	m/m	
						D	18.0±5.0	m/m	
						E	3.0±0.5	m/m	
						F	0.65±0.05	m/m	
						G		m/m	
						H		m/m	
						I		m/m	
						J		m/m	
(2)ELECTRICAL REQUIREMENTS						(3)SCHEMATIC			
L	10.0±10%	uH	TEST FREQUENCY	1KHZ 1V					
RDC	70.0max	mΩ	TEST FREQUENCY						
L(at 1.1A)	L drop 10%max	uH	TEST FREQUENCY	1KHZ 1V					
Q	20.0 REF		TEST FREQUENCY	2.52MHZ 1V					
SRF	16.0min	MHZ	TEST FREQUENCY						
(4)TEST INSTRUMENTS									
*CH502BC (RDC) *HP4284A+42841A (L,IDC) *HP4285A(Q) *Storage Temperature: Under 25℃ ,Humidity < 75% RH(6 Month) * Operating temperature -25℃ to +85℃									
NOTE: *Solder:Sn99.3Cu0.7 *EPOXY:FK661-9 *TUBE:7φ *產品需含浸後再套套管							APPROVED BY Tangshan		
							CHECKED BY Liukan		
							DRAWN BY		
							Jiusheng		
			VERSION			No.1			



QS9000 & ISO14001 & TS16949 CHILISIN ELECTRONICS CORP.

TEST DATA FOR PREPRODUCTION SAMPLES

CUSTOMER						CLS DWG. NO.		Rev
ELTECH						CE1-380375		A
CUSTOMER'S PART NO./DWG.NO			DESCRIPTION			DATE		
			SL0608T-100K-N			2013/9/10		
						QUANTITY	X	PCS.
MEAS.	L	RDC	L(at 1.1A)	Q	SRF			
ITEM	uH	mΩ	mH		MHZ			
SPEC	CUSTOMER							
	SUGGEST	10.0±10%	70.0max	L drop 10%max	20.0 REF	16.0min		
TEST	1KHZ		1KHZ	2.52MHZ				
FREQ.	1V		1V	1V				
1	10.21	31.70	10.12	67	16.7			
2	10.15	31.50	10.09	62	16.6			
3	10.25	31.20	10.19	70	16.7			
4	10.20	31.60	10.12	64	16.7			
5	10.31	31.32	10.23	68	16.7			
6	10.09	31.90	10.05	64	16.6			
7	10.29	32.20	10.24	68	16.7			
8	10.20	32.20	10.13	65	16.7			
9	10.18	31.70	10.15	67	16.7			
10	10.24	31.94	10.16	64	16.7			
11								
12								
13								
14								
15								
$\bar{X}$	10.21	31.73	10.15	65.90	16.68			
R	0.22	1.00	0.19	8.00	0.10			
CUSTOMER								
SAMPLE								
TEST CONDITION: TEMP. 25 °C 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						CE1-380375		A	
CUSTOMER'S PART NO./DWG.NO			DESCRIPTION			DATE			
			SL0608T-100K-N			2013/9/10			
						QUANTITY		X	PCS.
MEAS. ITEM		A m/m	B m/m	C m/m	D m/m	E m/m	F m/m		
SPEC	CUSTOMER								
	SUGGEST	6.7±0.5	10.0±1.0	25.0±5.0	18.0±5.0	3.0±0.5	0.65±0.05		
TEST FREQ.									
1		6.64	9.04	24.54	21.30	3.11	0.66		
2		6.65	9.21	24.12	20.98	2.88	0.66		
3		6.60	9.04	24.73	20.58	3.22	0.67		
4		6.65	9.05	25.01	21.34	2.92	0.66		
5		6.60	9.11	24.48	20.57	3.02	0.66		
6		6.61	9.08	24.97	20.69	2.74	0.66		
7		6.59	9.02	24.82	20.84	2.97	0.66		
8		6.59	9.04	24.86	21.41	2.99	0.66		
9		6.96	9.21	24.87	21.19	2.94	0.66		
10		6.79	9.01	24.05	21.27	3.00	0.67		
11									
12									
13									
14									
15									
$\bar{X}$		6.67	9.08	24.65	21.02	2.98	0.66		
R		0.37	0.20	0.96	0.84	0.48	0.01		
CUSTOMER SAMPLE									
TEST CONDITION: TEMP. 25 °C 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	2SFBW	155°C	JUNG SHING OR EQUIV	E174837
2	CORE	FERRITE		CHENZHOUE OR EQUIV	
3	PIN	0.65φ		BEIQIXIN OR EQUIV	
4	Solder	Sn99.3Cu0.7		SHENYUAN OR EQUIV	
5	EPOXY	FK661-9		QIFU OR EQUIV	
6	TUBE	7φ		XINGQI OR EQUIV	

DRAWN BY	CHECKED BY	APPROVED BY	CUSTOMER : ELTECH	DATE	2013/9/10
Jiusheng	Liukan	Tangshan	PART NO :	REV	
			ISSUE NO : SL0608T-100K-N	RACE	



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1-1 Mechanical Performance

No	Item	Specification	Test Method
1-1-1	Vibration	Appearance: No damage Z change: within $\pm 20\%$ RDC: within specification	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 Z change: within±20% RDC: within specification	One cycle: <table><tr><td>Step</td><td>Temperature (°C)</td><td>Time (min)</td></tr><tr><td>1</td><td>-25±3</td><td>30</td></tr><tr><td>2</td><td>25±2</td><td>3</td></tr><tr><td>3</td><td>85±3</td><td>30</td></tr><tr><td>4</td><td>25±2</td><td>3</td></tr></table> Total: 100cycles Measured after exposure in the room condition for 24hrs	Step	Temperature (°C)	Time (min)	1	-25±3	30	2	25±2	3	3	85±3	30	4	25±2	3
Step	Temperature (°C)	Time (min)																
1	-25±3	30																
2	25±2	3																
3	85±3	30																
4	25±2	3																
1-2-2	Humidity Resistance		Temperature: 40±2°C Relative Humidity: 90 ~ 95% Time: 1000hrs Measured after exposure in the room condition for 24hrs															
1-2-3	Heat Life		Temperature: 85±3°C 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°C Relative Humidity: 0% Time: 1000hrs Measured after exposure in the room condition for 24hrs															