



ISO9001 & ISO14001 & TS16949 CHILISIN ELECTRONICS CORP.

Lead-Free & RoHs Compliance!!

### SPECIFICATION FOR APPROVAL

CUSTOMER : ELTECH

CUSTOMER P/N : \_\_\_\_\_

OUR DWG No : CE1-360375

QUANTITY :  X  Pcs.      DATE :  2013/9/5

ITEM : SL0809T-152K-N

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

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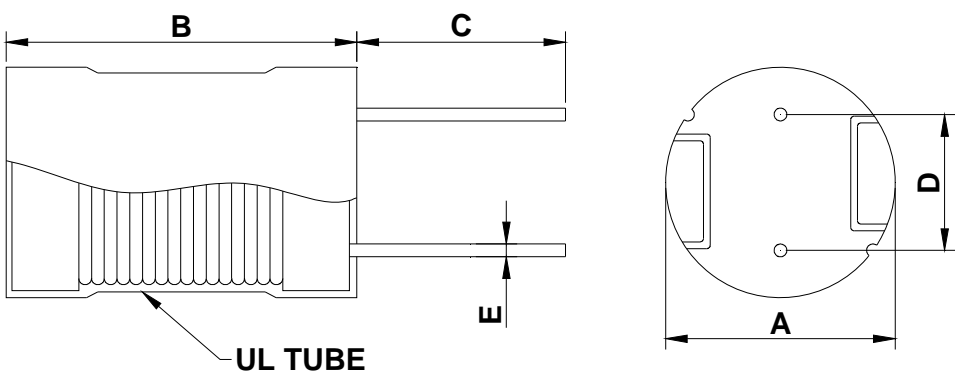
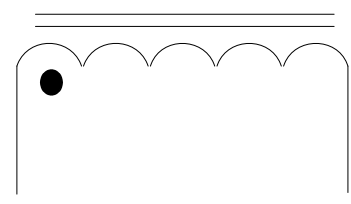
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DRAWN BY	Jiusheng	CHECKED BY	Liukan	APPROVED BY	Tangshan	QRA BY	
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SPECIFICATION FOR APPROVAL

CUSTOMER			<b>ELTECH</b>			CLS DWG. NO.	Rev
CUSTOMER'S PART NO/DWG NO.			DESCRIPTION			DATE	
			<b>SL0809T-152K-N</b>			2013/9/5	
(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±0.05 m/m
						F	m/m
						G	m/m
						H	m/m
						I	m/m
						J	m/m
						(2)ELECTRICAL REQUIREMENTS	
L	1.5±10%	mH	TEST FREQUENCY	1KHZ	1V		
RDC	3.5max	Ω					
L(at 0.23A)	L drop 10%max	mH	TEST FREQUENCY	1KHZ	1V		
(4)TEST INSTRUMENTS							
<p>*HP4284A+HP42841A (L,IDC)</p> <p>*CH502BC (RDC)</p>							
<p>*Storage Temperature: Under 25 °C ,Humidity &lt; 75% RH(6 Month)</p> <p>* Operating temperature -25°C to +85°C</p>							
<b>NOTE:</b>						APPROVED BY	
*Pin:0.65φ						Tangshan	
*Solder:Sn99.3Cu0.7						CHECKED BY	
*TUBE:9 φ						Liukan	
						DRAWN BY	
						Jiusheng	
VERSION			No.1				



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

**TEST DATA FOR PREPRODUCTION SAMPLES**

CUSTOMER						CLS DWG. NO.	Rev		
<b>ELTECH</b>							A		
CUSTOMER'S PART NO./DWG.NO.				DESCRIPTION		DATE			
				<b>SL0809T-152K-N</b>		2013/9/5			
						QUANTITY		PCS.	
MEAS.	L	RDC	L(at 0.23A)						
ITEM	mH	$\Omega$	mH						
SPEC	CUSTOMER								
	SUGGEST	1.5±10%	3.5max	L drop 10%max					
TEST	1KHZ		1KHZ						
FREQ.	1V		1V						
1	1.51	2.98	1.49						
2	1.51	2.97	1.49						
3	1.52	2.96	1.49						
4	1.52	2.95	1.49						
5	1.39	2.97	1.38						
6	1.51	2.98	1.49						
7	1.51	2.83	1.49						
8	1.51	2.99	1.49						
9	1.50	2.99	1.48						
10	1.51	2.96	1.49						
11									
12									
13									
14									
15									
X	1.50	2.96	1.48						
R	0.13	0.16	0.11						
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
<b>ELTECH</b>								A
CUSTOMER'S PART NO./DWG.NO.			DESCRIPTION				DATE	
			<b>SL0809T-152K-N</b>				2013/9/5	
							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±0.05		
TEST FREQ.								
1	8.76	10.38	5.11	4.97	0.67			
2	8.71	10.59	4.92	5.02	0.66			
3	8.77	10.75	5.20	5.09	0.67			
4	8.73	10.48	4.93	4.85	0.65			
5	8.70	10.38	4.97	5.01	0.63			
6	8.76	10.60	4.92	4.70	0.67			
7	8.82	10.63	4.91	4.91	0.66			
8	8.75	10.63	4.85	5.09	0.65			
9	8.70	10.16	5.02	4.73	0.65			
10	8.80	10.43	5.01	4.89	0.66			
11								
12								
13								
14								
15								
$\bar{X}$	8.75	10.50	4.98	4.93	0.66			
R	0.12	0.59	0.35	0.39	0.04			
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		CHENZHOU OR EQUIV	
3	EPOXY	FK661-9		QIFU OR EQUIV	
4	Pin	0.65 φ		BEIQIXIN OR EQUIV	
5	Solder	Sn99.3Cu0.7		SHENYUAN OR EQUIV	
6	TUBE	9 φ		XINGQI OR EQUIV	

DRAWN BY	CHECKED BY	APPROVED BY	CUSTOMER :	ELTECH	DATE	2013/9/5
Jiusheng	Liukan	Tangshan	PART NO :		REV	
			ISSUE NO :	SL0809T-152K-N	RACE	



*1-1 Mechanical Performance*

No	Item	Specification	Test Method
1-1-1	Vibration	Appearance: No damage  Z change: within±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 border="1" style="margin-left: 20px;"> <thead> <tr> <th>Step</th> <th>Temperature (°C)</th> <th>Time (min)</th> </tr> </thead> <tbody> <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> </tbody> </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															