



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 : 2013/9/4

ITEM : SL0809T-103K-N

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

奇力新電子股份有限公司
 CHILISIN ELECTRONICS CORP.
 NO.29,LANE 301,TEHHSIN ROAD,HUKOU,
 HSINCHU,TAIWAN,303,REPUBLIC OF
 CHINA
 TEL : (03) 599-2646
 FAX : (03) 599-9176
 E-mail : Taiwan@chilisin.com.tw
 http : //www.chilisin.com.tw

東莞奇力新電子有限公司
 DONG GUANG CHILISIN ELECTRONICS LTD.
 YULIANGWEI ADMINISTRATION AREA,QINGXI TOWN,
 DONGGUANG, GUANGDONG, CHINA
 TEL : 00286769-7730251~3 FAX : 00286769-7730232
 E-mail : cect@chilisin.com.tw

奇力新電子(蘇州)有限公司
 CHILISIN ELECTRONICS(SUZHOU)CO.,LTD
 NO.10, Zhu Yuan Road, Suzhou New District, Suzhou, P.R.C.
 TEL : 00286512-8255568 FAX : 00286512-8255568
 E-mail : chilisin.suzhou@yageo.com.tw

台北營業處
 TAIPEI OFFICE
 3F,NO.233-1,PAO-CHIAO ROAD,
 HSIN TIEN,TAIPEI,TAIWAN,
 R.O.C.
 TEL : (02)29112073
 FAX : (02)29147698
 E-mail : taipei@chilisin.com.tw

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

CUSTOMER			ELTECH			CLS DWG. NO.	Rev
							A
CUSTOMER'S PART NO/DWG NO.		DESCRIPTION			DATE		
		SL0809T-103K-N			2013/9/4		
(1)MECHANICAL ASSEMBLY						A	9.5amx 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	10.0±10%	mH	TEST FREQUENCY	1KHZ	1V		
RDC	22.0max	Ω					
L(at 0.089A)	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 < 75% RH(6 Month)</p> <p>* Operating temperature -25°C to +85°C</p>							
NOTE:						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
ELTECH							A
CUSTOMER'S PART NO./DWG.NO.			DESCRIPTION			DATE	
			SL0809T-103K-N			2013/9/4	
						QUANTITY	PCS.
MEAS. ITEM	L mH	RDC Ω	L(at 0.089A) mH				
SPEC	CUSTOMER SUGGEST	10.0±10%	22.0max	L drop 10%max			
TEST FREQ.	1KHZ 1V		1KHZ 1V				
1	9.69	20.94	9.36				
2	9.69	20.79	9.36				
3	9.71	20.94	9.41				
4	9.68	20.84	9.34				
5	9.66	20.76	9.32				
6	9.67	20.93	9.34				
7	9.74	20.71	9.41				
8	9.68	20.74	9.36				
9	9.69	20.84	9.36				
10	9.66	20.82	9.35				
11							
12							
13							
14							
15							
X	9.69	20.83	9.36				
R	0.08	0.23	0.09				
CUSTOMER SAMPLE							
TEST CONDITION:						APPROVED BY	
TEMP. 25 °C R.H. 65%						Tangshan	
						CHECKED BY	
						Liukan	
						DRAWN BY	
						Jiusheng	



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

TEST DATA FOR PREPRODUCTION SAMPLES

CUSTOMER ELTECH							CLS DWG. NO.	Rev A	
CUSTOMER'S PART NO./DWG.NO.			DESCRIPTION SL0809T-103K-N				DATE 2013/9/4		
							QUANTITY	PCS.	
MEAS. ITEM	A mm	B mm	C mm	D mm	E mm				
SPEC CUSTOMER SUGGEST	9.5amx	11.5max	5.0±1.0	5.0±0.5	0.65±0.05				
TEST FREQ.									
1	8.80	10.43	5.10	4.79	0.66				
2	8.75	10.38	5.01	5.02	0.67				
3	8.76	10.42	4.78	4.61	0.66				
4	8.73	10.63	5.05	4.59	0.67				
5	8.74	10.42	5.16	5.19	0.67				
6	8.75	10.41	5.27	4.80	0.66				
7	8.67	10.25	4.90	4.83	0.65				
8	8.73	10.64	5.01	4.67	0.65				
9	8.73	10.60	5.05	4.61	0.67				
10	8.88	10.47	5.05	4.82	0.68				
11									
12									
13									
14									
15									
X	8.75	10.47	5.04	4.79	0.66				
R	0.21	0.39	0.49	0.60	0.03				
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	2013/9/4
Jiusheng	Liukan	Tangshan	PART NO :		REV	
			ISSUE NO :	SL0809T-103K-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															