



ISO9001 & ISO14001 & TS16949 CHILISIN ELECTRONICS CORP.

Lead-Free & RoHs Compliance!!

SPECIFICATION FOR APPROVAL

CUSTOMER : _____

CUSTOMER P/N : _____

OUR DWG No : _____

QUANTITY : X Pcs. DATE : 2025/12/2

ITEM : **SL0810T-4R7M-N**

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

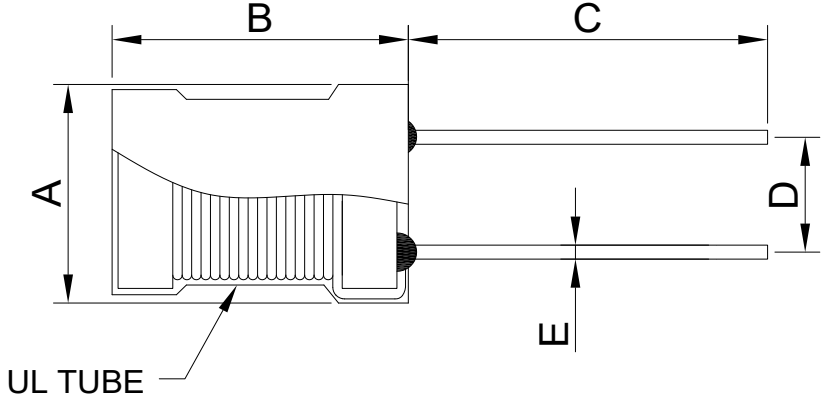
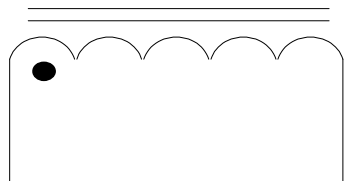
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DRAWN BY	Fangli	CHECKED BY	Leaf	APPROVED BY	Wade	QRA BY	
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SPECIFICATION FOR APPROVAL

CUSTOMER				CLS DWG. NO.	
CUSTOMER'S PART NO/DWG NO.		DESCRIPTION		DATE	
		SL0810T-4R7M-N		2025/12/2	
(1)MECHANICAL ASSEMBLY				A	8.5±1.0 m/m
				B	12.0MAX m/m
				C	5.0±1.0 m/m
				D	5.0±0.5 m/m
				E	0.65 φ REF m/m
				F	m/m
				G	m/m
				H	m/m
				I	m/m
				J	m/m
				(2)ELECTRICAL REQUIREMENTS	
L	4.7±20%	uH	TEST FREQUENCY	1KHZ	1V
RDC	50MAX	mΩ	TEST FREQUENCY		
IDC	3.0MAX	A	TEST FREQUENCY	1KHZ	1V
SRF	30TYP	MHZ			
RATED CURRENT					
(4)TEST INSTRUMENTS					
*HP4284A+HP42841A (IDC) *CH502BC (RDC)					
* Operating temperature -25°C to +85°C					
NOTE:	TUBE			APPROVED BY	
	CORE			CHECKED BY	
	WIRE			DRAWN BY	
	WINDING			Fangli	
	*IDC: L drop 10%			ZZZZ	



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

TEST DATA FOR PREPRODUCTION SAMPLES

CUSTOMER							CLS DWG. NO.		
CUSTOMER'S PART NO./DWG.NO.			DESCRIPTION				DATE		
			SL0810T-4R7M-N				2025/12/2		
						QUANTITY	X	PCS.	
MEAS. ITEM	L uH	RDC mΩ	IDC A	A m/m	B m/m	C m/m	D m/m	E m/m	
<small>SPEC</small> CUSTOMER SUGGEST	4.7±20%	50MAX	3.0MAX	8.5±1.0	12.0MAX	5.0±1.0	5.0±0.5	0.65φ REF	
TEST FREQ.	1KHZ 1V		1KHZ 1V						
1	4.78	31.10	OK	9.27	11.71	5.53	4.67	0.65	
2	4.74	31.20	OK	9.28	11.58	5.52	4.75	0.65	
3	4.78	31.00	OK	8.98	11.64	5.57	4.83	0.65	
4	4.77	31.20	OK	8.99	11.75	5.45	4.73	0.65	
5	4.75	31.30	OK	9.18	11.73	5.81	4.72	0.65	
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
\bar{X}	4.76	31.16		9.14	11.68	5.58	4.74	0.65	
R	0.04	0.30		0.30	0.17	0.36	0.16	0.00	
CUSTOMER SAMPLE									
TEST CONDITION: TEMP. 25 °C						R.H. 65%		APPROVED BY	
								CHECKED BY	
								DRAWN BY Fangli	



5. MATERIAL LIST :

ITEM	PART	DESCRIPTION	TEMP	SUPPLIERS	UL NO.
1	WIRE	SFBW	155°C	JUNG SHING OR EQUIV	E174837
2	CORE	Ni-Zn Core		HRONG YIH OR EQUIV	
3	TUBE	UL TUBE	125°C	QUANTAI OR EQUIV	
4	EPOXY	AD-3		JASDI OR EQUIV	
5	導針	A01-Z303		HANG XING OR EQUIV	

DRAWN BY	CHECKED BY	APPROVED BY	CUSTOMER :	0	DATE	2025/12/2
Fangli			PART NO :		REV	
			ISSUE NO : SL0810T-4R7M-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"> <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															