



QS9000 & ISO14001 & TS16949 CHILISIN ELECTRONICS CORP.

RoHS & Halogen Free & REACH Compliance.

SPECIFICATION FOR APPROVAL

CUSTOMER : Eltech

CUSTOMER P/N : _____

OUR DWG No : CE1-591033

QUANTITY : x Pcs. DATE : 2015/10/12

ITEM : RH03506B2T-Y7-N

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

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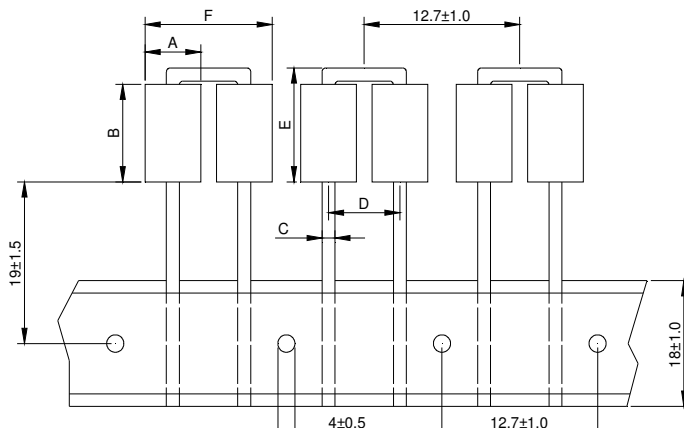
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DRAWN BY	Jiusheng	CHECKED BY	Liukan	APPROVED BY	Tangshan	QRA BY	
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SPECIFICATION FOR APPROVAL

CUSTOMER		Eltech		CLS DWG. NO. CE1-591033	Rev A	
CUSTOMER'S PART NO/DWG NO.		DESCRIPTION RH03506B2T-Y7-N		DATE 2015/10/12		
<p>(1) MECHANICAL ASSEMBLY</p> 				A	3.5±0.3	m/m
				B	6.0±0.5	m/m
				C	0.65±0.1	m/m
				D	5.0±1.0	m/m
				E	7.5max	m/m
				F	9.5max	m/m
				G		m/m
				H		m/m
				I		m/m
				J		m/m
				(2) ELECTRICAL REQUIREMENTS		
Z ₁	90.0min	Ω	TEST FREQUENCY	25MHZ	0.1V	
Z ₂	110.0min	Ω	TEST FREQUENCY	100MHZ	0.1V	
I _{rms}	7.0max	A	TEST FREQUENCY	ΔT ≤ 40°C		
(4) TEST INSTRUMENTS						
<p>*HP4287(Z) *HP4284A+HP42841A(I_{rms})</p> <p>*Storage Temperature: -40°C ~ +85°C (6 Month) * Operating temperature -25°C to +85°C</p>						
				APPROVED BY Tangshan		
				CHECKED BY Liukan		
				DRAWN BY Jiusheng		



TEST DATA FOR PREPRODUCTION SAMPLES

CUSTOMER						CLS DWG. NO.	Rev
Eltech						CE1-591033	A
CUSTOMER'S PART NO./DWG.NO				DESCRIPTION		DATE	
				RH03506B2T-Y7-N		2015/10/12	
				QUANTITY		x	PCS.
MEAS. ITEM	Z1 Ω	Z2 Ω	I _{rms} A				
<small>SPEC</small>	CUSTOMER SUGGEST	90.0min	110.0min	7.0max			
TEST FREQ.	25MHZ 0.1V	100MHZ 0.1V	ΔT ≤ 40°C				
1	122.00	181.00	OK				
2	121.00	181.00	OK				
3	124.00	183.00	OK				
4	127.00	180.00	OK				
5	122.00	184.00	OK				
6	123.00	183.00	OK				
7	126.00	184.00	OK				
8	124.00	183.00	OK				
9	124.00	183.00	OK				
10	124.00	186.00	OK				
11							
12							
13							
14							
15							
\bar{X}	123.70	182.80					
R	6.00	6.00					
CUSTOMER SAMPLE							
TEST CONDITION: TEMP. 25 °C R.H. 65%						APPROVED BY	
						Tangshan	
						CHECKED BY	
						Liukan	
						DRAWN BY	
						Jiusheng	



TEST DATA FOR PREPRODUCTION SAMPLES

CUSTOMER Eltech							CLS DWG. NO. CE1-591033	Rev A	
CUSTOMER'S PART NO./DWG. NO.			DESCRIPTION RH03506B2T-Y7-N				DATE 2015/10/12		
							QUANTITY	x	PCS.
MEAS. ITEM	A m/m	B m/m	C m/m	D m/m	E m/m	F m/m			
CHECKS	CUSTOMER SUGGEST	3.5±0.3	6.0±0.5	0.65±0.1	5.0±1.0	7.5max	9.5max		
	TEST FREQ.								
1	3.47	6.01	0.63	5.02	6.90	8.44			
2	3.44	5.95	0.62	5.32	7.00	8.43			
3	3.44	5.95	0.61	5.22	6.80	8.49			
4	3.44	6.18	0.62	5.07	7.10	8.39			
5	3.45	6.24	0.62	5.22	7.00	8.46			
6	3.44	6.34	0.63	5.36	6.90	8.29			
7	3.43	6.19	0.61	5.34	6.90	8.45			
8	3.42	6.05	0.63	5.35	6.80	8.40			
9	3.47	6.17	0.62	5.32	7.00	8.40			
10	3.42	6.28	0.62	5.35	6.90	8.30			
11									
12									
13									
14									
15									
X	3.44	6.14	0.62	5.26	6.93	8.41			
R	0.05	0.39	0.02	0.34	0.30	0.20			
CUSTOMER SAMPLE									
TEST CONDITION: TEMP. 25 °C R.H. 65%							APPROVED BY Tangshan		
							CHECKED BY Liukan		
							DRAWN BY Jiusheng		



5. MATERIAL LIST :

ITEM	PART	DESCRIPTION	TEMP	SUPPLIERS	UL NO.
1	WIRE	0.65φ CP		YEHUA OR EQUIV	
2	CORE	FERRITE		JIACI OR EQUIV	
3	ADHESIVE	7204		JINSHENGDA OR EQUIV	
4	Masking Tape	SY3602		XINHAOYUAN OR EQUIV	
5	NON-ADHESIVE BELTING TAPE	SY672		XINHAOYUAN OR EQUIV	

DRAWN BY	CHECKED BY	APPROVED BY	CUSTOMER	Eltech	DATE	2015/10/12
Jiusheng	Liukan	Tangshan	PART NO	:	REV	A
			ISSUE NO	RH03506B2T-Y7-N	RACE	



1-1 Mechanical Performance

No	Item	Specification	Test Method
1-1-1	Vibration	Appearance: No damage Z change	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	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> <p>Total: 100cycles Measured after exposure in the room condition for 24hrs</p>	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															