



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

Lead-Free & RoHs Compliance!!

SPECIFICATION FOR APPROVAL

CUSTOMER : _____

CUSTOMER P/N : _____

OUR DWG No : _____

QUANTITY : **0** **Pcs.** **DATE :** **2012/03/12**

ITEM : **RH03505ST-B-N**

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

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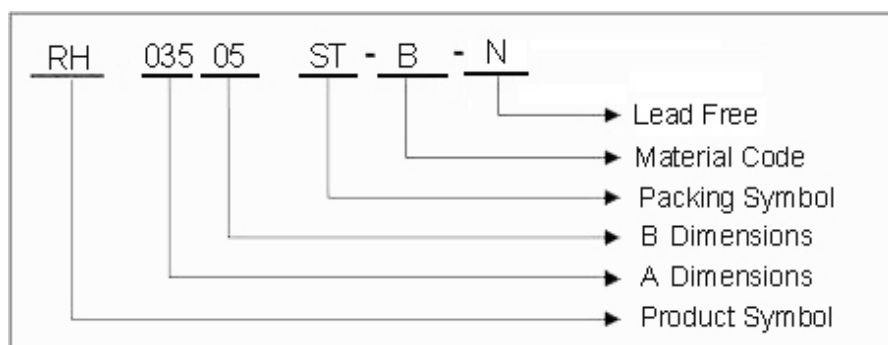


ISO9001 & ISO14001 & TS16949 **CHILISIN ELECTRONICS CORP.**

RH03505ST Series Specification

1 Scope: This specification applies to EMI Ferrite Beads

2 Part Numbering: Product Identification



3 Rating:

Operating Temperature: $-25^{\circ}\text{C} \sim 105^{\circ}\text{C}$ (Including self - temperature rise)

Storage Temperature: Under 25°C , Humidity < 75% RH

4 Marking:

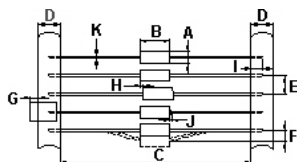
No Marking

5 Standard Testing Condition

	Unless otherwise specified	In case of doubt
Temperature	Ordinary Temperature(15 to 35°C)	$20 \pm 2^{\circ}\text{C}$
Humidity	Ordinary Humidity(25 to 85% RH)	60 to 70 % RH

RH03505ST Series Specification

6 Configuration and Dimensions:



Dimensions in mm

TYPE	A	B	C	D	E	F	G	H	I	J	K
RH03505ST-B-N	3.5 \pm 0.2	5 \pm 0.3	52.4 \pm 1.5	6 \pm 1	5 \pm 0.5	1.2 $^{+0}$	0.8 $^{+0}$	0.8 $^{+0}$	3.2 $^{-0}$	0.8 $^{+0}$	0.65 $^{-0}$

7 ELECTRICAL CHARACTERISTICS :

Part No.	Z (Ω)Min.	Test Freq (MHz)	Rated Current (A)
RH03505ST-B-N	50	100	3

NOTE:

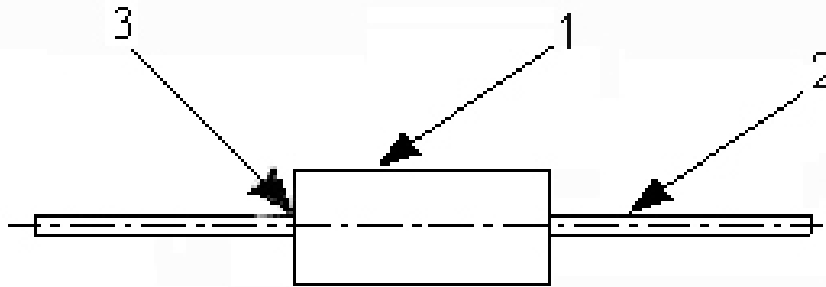
1. Operating temperature range – 25 $^{\circ}$ C ~ 105 $^{\circ}$ C (Including self - temperature rise)
2. Rate Current : Applied the current to coils, the temperature rise shall not be more than 30 $^{\circ}$ C

"-N" FOR COMPLETELY LEAD FREE TYPE (INCLUDING FERRITE BODY & SOLDER)

RH03505ST Series Specification

8 RH03505ST Series

8.1 Construction:



8.2 Material List:

NO	PART	MATERIAL
1	CORE	Ni-Zn
2	WIRE	Cu/Sn
3	EPOXY	AD-3



RH03505ST Series Specification

9 Reliability Of EMI SHIELD BEADS(RH SERIES)

1-1.Mechanical Performance

No	Item	Specification	Test Method
1-1-1	Vibration	Appearance: No damage Impedance: within $\pm 20\%$ of initial value	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

1-2-Environmental Performance					
No	Item	Specification	Test Method		
1-2-1	Temperature Cycle	Appearance: No damage Impedance:within±20% of initial value	One cycle:		
			Step	Temperature (℃)	Time (min)
			1	-25±3	30
			2	25±2	3
			3	105±3	30
			4	25±2	3
Total: 100cycles					
Measured after exposure in the room condition for 24hrs					
1-2-2	Humidity Resistance		Temperature: 40±2℃ Relative Humidity: 90 ~ 95% Time: 1000hrs Measured after exposure in the room condition for 24hrs		
1-2-3	High Temperature Resistance		Temperature: 85±3℃ Relative Humidity: 0% Applied Current: Rated Current Time: 1000hrs Measured after exposure in the room condition for 24hrs		
1-2-4	Low Temperature Resistance		Temperature: -25±3℃ Relative Humidity: 0% Time: 1000hrs Measured after exposure in the room condition for 24hrs		

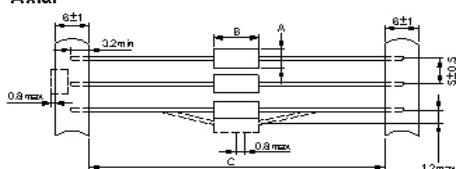
RH03505ST Series Specification

11 PACKAGING

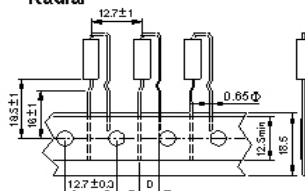
Packing Quantity & Dimensions

PACKING DIMENSION :

Axial



Radial

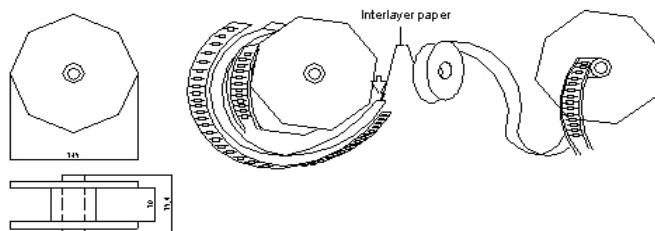


Dimension:mm			Dimension:mm			
	TAPE	BULK	Lead Spacing	Packing Style	TAPE	BULK
C	26.5 _{-0.5} ^{+1.0}	63± 3	D	ERECTION PAIR	4.8-5.8	6.35± 1
	52.4± 1.5			5± 1		

THE SIZE OF PACKING CASE:

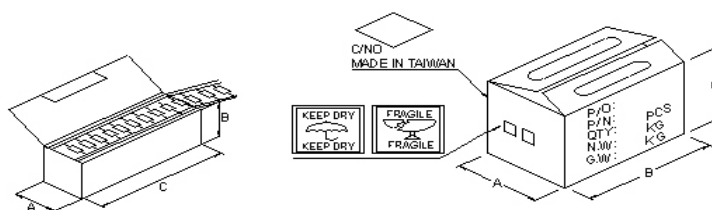
	Carton dimension(A*B*C)	Packing quantity
REEL	350mm*430mm*340mm	20,000PCS
AMMON TYPING	260mm*260mm*224mm	25,000PCS
	380mm*415mm*385mm	25,000PCS
BULK	150mm*75mm*85mm	30,000PCS

REEL(Dimensions in mm)



AMMO-PACKING:
Ammon-packing

Carton dimension



12 **Note:**

1. Please make sure that your product is has been evaluated and confirmed against your specifications when our product is mounted to your product.
2. Do not knock nor drop.
3. All the items and parameters in this product specification have been prescribed on the premise that our product is used for the purpose, under the condition and in the environment agreed upon between you and us. You are requested not to use our product deviating from such agreement.
4. Please keep the distance between transformer/coil and other components (refer to the standard IEC 950)



RH03505ST Series Specification

13 Curve:

