

⊕ Feature

- These filters suppress voltage & current spikes within the circuitis and provide protection to semiconductor devices.

⊕ Applications

Prevention of high frequency EMI from Video and acoustic communication units as well as other electronic devices.

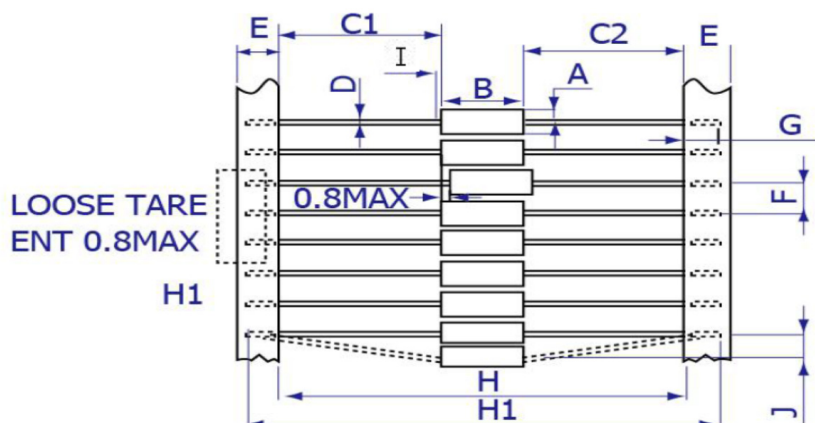
⊕ Product Identification :



Series name	Dimensions(ODxHxD)		Internal code
RHB	3.5-7.5-0.8	3.5*7.5*0.8mm	S = Standard

Packing symbor	
T52	52mm

⊕ Shapes And Dimensions



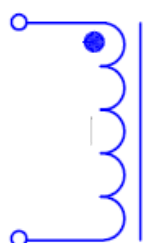
Part No.	Dimensions(mm)							
	A	B	C1-C2	D	E	I	F	G
RHB3.5-7.5-0.8S-T52	3.5	7.5	1.4	0.65	6.0	0.80	5.00	3.20
	±0.3	±0.5	Max	±0.05	±1.0	Max	±0.5	Min
	H	H1	J					
	52.4	62.5	1.2					
	±1.5	±1.0	Max					

⊕ Electrical Characteristics :

Part No.	Z1		Z2	
	(Ω)	25MHz	(Ω)	100MHz
RHB3.5-7.5-0.8S-T52	40		75	
	Min		Min	

※Test Instrument : Z(HP4191)

⊕ Equivalent Circuit Schematic :



⊕ Material List :

No.	Location	Material
1	Core	Ferrite core
2	Wire	0.65 CP
3	Epoxy	FK661-9(Black)
4	Tape	5.5x3000 / 6x3000

1.Operating temperature -25℃ ~ +80℃

2.Storage conditions -25℃ ~ +80℃

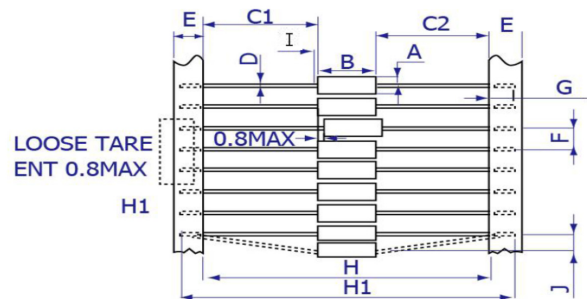
**TEST DATA FOR PREPRODUCTION SAMPLES**

Customer		Test Date	2019/8/30	
RSIN Part No.	RHB3.5-7.5-0.8S-T52	Sample Quantity	5	PCS
Lot No		Test Temp	25°C	Test Humidity 62%

MEAS Item	Z1 (Ω)	Z2 (Ω)		A (mm)	B (mm)	H (mm)				
SPEC	40	75		3.50	7.50	52.40				
Upper	-	-		3.80	8.00	53.90				
Lower	40	75		3.20	7.00	50.90				
Tolerance	Min	Min		0.30	0.50	1.50				
Test Freq.	25MHz	100MHz								
1	60.0	105.00		3.50	7.54	52.45				
2	58.0	100.00		3.51	7.52	52.47				
3	59.0	103.00		3.49	7.52	52.50				
4	61.0	102.00		3.50	7.50	52.49				
5	61.0	105.00		3.50	7.52	52.55				
6										
7										
8										
9										
10										
Average	59.80	103.00		3.50	7.52	52.49				
Max	61.00	105.00		3.51	7.54	52.55				
Min	58.00	100.00		3.49	7.50	52.45				
Range	3.00	5.00		0.02	0.04	0.10				
StDevP	1.17	1.90		0.01	0.01	0.03				

Test Instrument  
Impedance HP4191

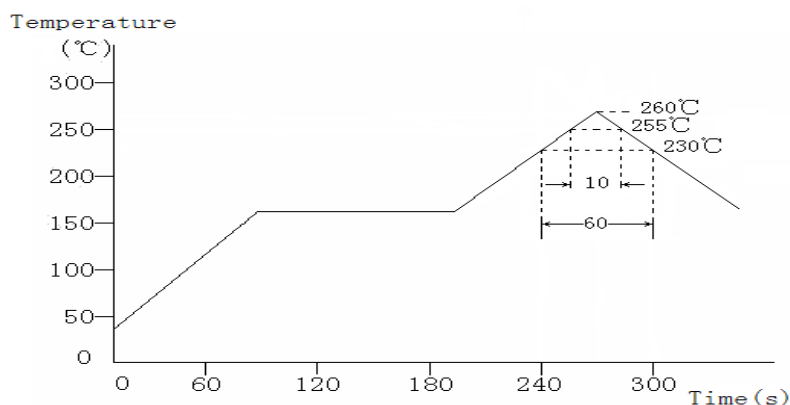
Configuration



Coil Spec : 0.65 CP

Drawn by *davy*      Checked by *amanda*      Approved by *Vincent*

### ⊕ Reflow Soldering Heat Endurance

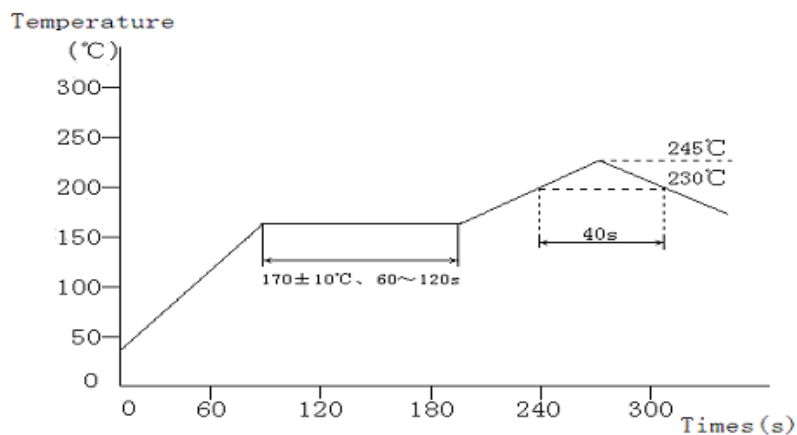


No mechanical and electrical defects are found after testing based on the above profile and keeping under the conditions of room temperature and humidity for 2 hours.

Twice reflow test is acceptable with the test interval remaining 1 hour under the normal conditions.

The reflow test profile may vary with the testing instruments.

### ⊕ Recommended Reflow Conditions



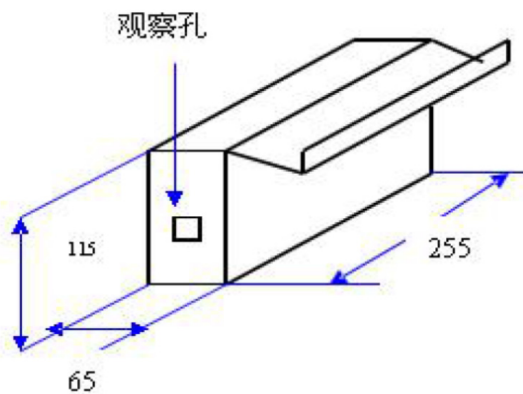
The recommended reflow profile is based on the testing instruments used. Solder ability will depend on the testing equipments, reflow conditions, testing method, etc. So it is necessary to make a confirmation of them when the reflow conditions are set up.

However halogen lamp shall be used, side heat will be beyond range of resistance heat, so we can't recommend it.

⊕ Packing Specifications

一、內箱包裝方式:

成品代碼	料號	包裝方式	包裝數量
RH Series	RHB3.5-7.5-0.8S-T52	編帶盒裝	2000PCS/盒



二、外箱規格:

成品代碼	料號	外箱規格	包裝數量及說明
RH Series	RHB3.5-7.5-0.8S-T52	35.4cm*26.5cm*37cm	30000PCS/箱

