

规格承认书

SPECIFICATION

客户

CUSTOMER:

客户料号

CUSTOMER P/N:

物料名称

MODEL NO:

物料描述

DESCRIPTION:

贴片共模电感

厂商料号

MANUFACTURER P/N:

FHWTS4520

制造商确认栏 MANUFACTURER APPROVED		客户承认栏 CUSTOMER APPROVED
拟制/DRAWN BY	Michael	
审核/CHECKED BY	Lee	
批准/APPROVED BY	Min	
备注:		备注:

深圳市丰辉旺科技有限公司

SHENZHEN FENG HUI WANG TECHNOLOGY CO., LTD

工厂地址：深圳市宝安区石岩镇松白路中港星科技园五栋109

电话：18503051681 李生

SHENZHEN FENG HUI WANG TECHNOLOGY CO., LTD

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G19040901

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发行日期/DATE:

2019.03.11

1.PRODUCT IDENTIFICATION:

FHWTS4520

① ② ③ ④

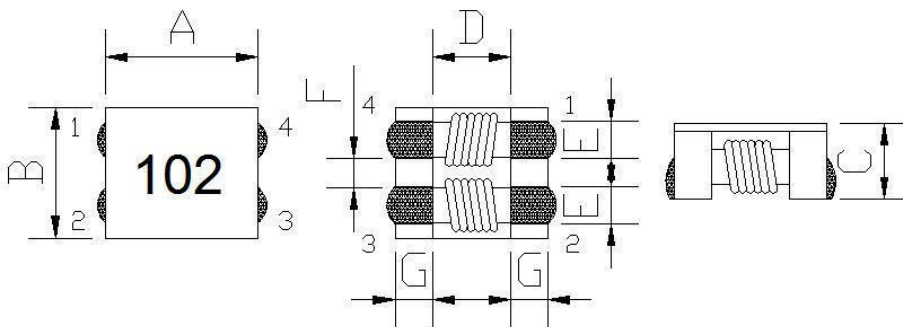
①Product Code

②Dimensions0uH0uH

③Type

④Z(Ω): 1000

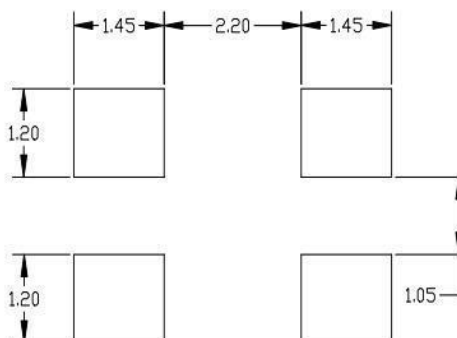
2.MECHANICAL DIMENSION:



NOTE: Dimensions in mm

PRODUCT NO	A	B	C	D	E	F	G
FHWTS-4520	4.7 ± 0.5	4.5 ± 0.5	2.0 MAX	2.7 Typ	0.75 Typ	1.25 Typ	1.0 Typ

3.LAND PATTERN(Unit: mm):



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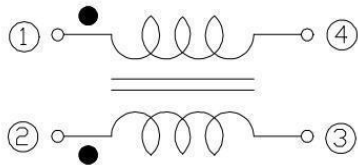
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4.SCHEMATIC:



“ ● ”:WINDING START

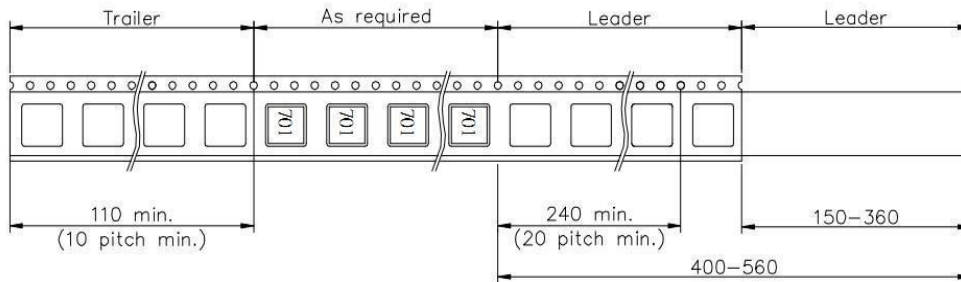
5. ELECTRICAL CHARACTERISTICS:

P/N	Z (Ω)at100MHZ/0.2V		RDC(m Ω) Max(1Line)	Ratde Current(A) Max	IR(m Ω) Min	Rated Voltage(V) Max	Marking(黑 色)
	Min	Typ					
FHWTS-4520-231-4	180	230	50	1.5	10	50	231
FHWTS-4520-301-4	100	300	45	1.5	10	50	301
FHWTS-4520-401-4	300	400	55	1.4	10	50	401
FHWTS-4520-421-4	300	420	55	1.4	10	50	421
FHWTS-4520-501-4	350	500	57	1.3	10	50	501
FHWTS-4520-701-4	500	700	59	1.3	10	50	701
FHWTS-4520-901-4	650	900	60	1.2	10	50	901
FHWTS-4520-102-4	800	1000	68	1.2	10	50	102
FHWTS-4520-142-4	1000	1400	80	1.0	10	50	142

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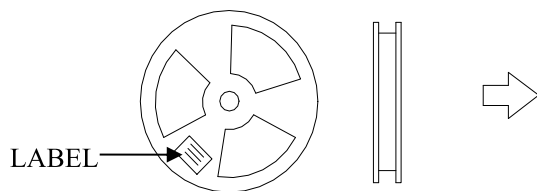
注：使用透明载带，自粘上带封装，产品字首朝载带定位孔方向。

6.3 Taping Quantity:

SERIES	FHWTS-4520
PCS/Reel	1000

CARTON:

MIDDLE PACKAGING : 5 Reel /BOX



EXTERNAL PACKAGING : 2 BOX / CARTON

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7.RELIABILTY TEST:

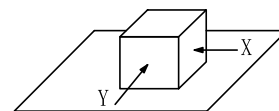
7.1 Storage Temperature range : $-30^{\circ}\text{C} \sim +125^{\circ}\text{C}$

7.2 Operating temperature range: $-30^{\circ}\text{C} \sim +125^{\circ}\text{C}$ (Including coil's self temperature rise)

7.3 External appearance : No external defects can be found in the visual inspection.

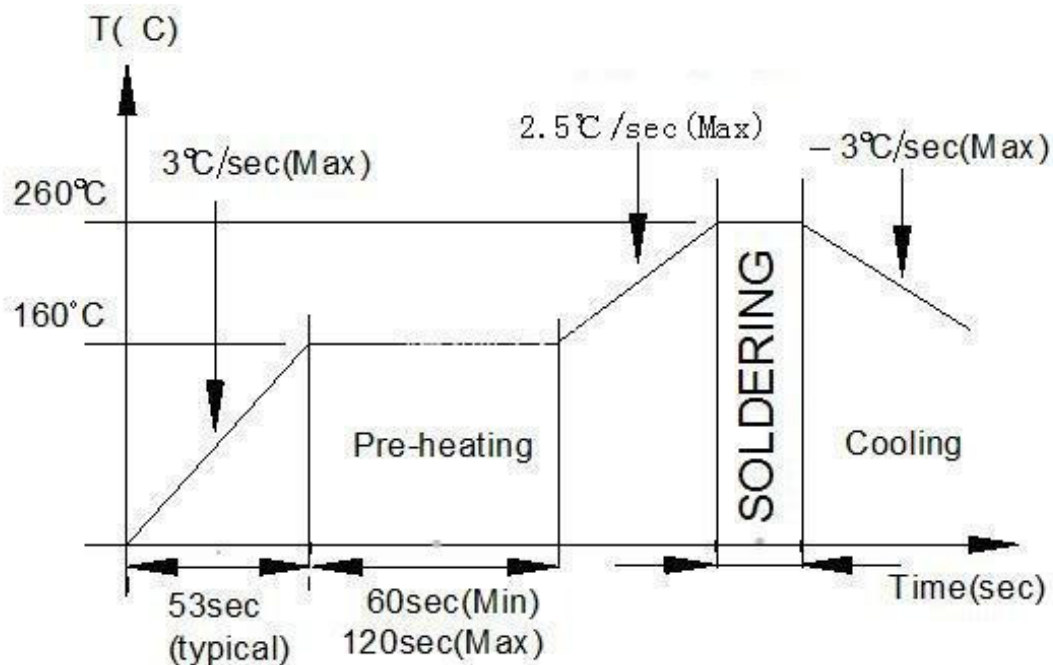
7.4 Electrode strength : No electrode detachment should be found when the device is pushed in two directions of X and Y with the force of 10.0N for 10 ± 2 seconds after soldering between copper plate and the electrodes.

(Refer to figure at right)



7.5 Vibration test : Inductance deviation is within $\pm 3.0\%$ after 1 hour sweeping vibration in each three directions, namely, forward and backward, up and down, right and left. The frequency is $10 \sim 55 \sim 10\text{Hz}$ and the amplitude of 1 minute cycle is 1.5mm PP.

7.6 Recommended Reflow Soldering Profile:



7.6.1 IR Reflow soldering :

Preheat at 3°C per second to 160°C and using lead free solder ,
IR at 260°C for 10 seconds.

7.6.2 Rework flow:

Component must withstand two IR reflow cycles with a cool down between cycles.