

规格确认书

SPECIFICATION

客 户

CUSTOMER: _____

客 户 料 号

CUSTOMER P/N: _____

物 料 名 称

屏蔽型共模滤波器

MODEL NO : _____

Shielded Common Mode Choke Coil

料 号

HSCM 系列

P/N :

HSCM series

文 件 编 号

FILE NO :

23-07

日期 : 2023-07-06

承办人 : 刘俊

DATE : July 06, 2023

ISSUEDER : Liu Jun

客户确认 APPROVED BY

签名 :

日期 :

SIGN :

DATE :

结论 RESULT :

确认后请回传 PLEASE RETURN BY ONE COPY

●特征

屏蔽结构。

外壳低至：2.5mm。

额定电流高达 5A。

符合 RoHS 标准*且无卤素**。

工作温度范围-40℃ 至+125℃ (包括温升)。

●用途

抗电磁波干扰。

●品名系统

HSCM 5020 - 501 T
① ② ③ ④

① 产品代号: 屏蔽式共模电感器。

② 尺寸规格: 5020=5.0x4.8x2.5(mm)

5040=5.0x4.8x4.5(mm)

③ 阻抗：501=500Ω

④ 包装：T=卷带包装。

●FEATURES

Shielded construction.

Low profile: 2.5 mm.

Current rating up to 5 A.

RoHS compliant* and halogen free**.

Operating temperature range -40℃ to +125℃
(Temperature rise included).

●Applications

EMI suppression.

●Product Identification

HSCM 5020 - 501 T
① ② ③ ④

① Product symbol : Shielded Common Mode Choke Coil

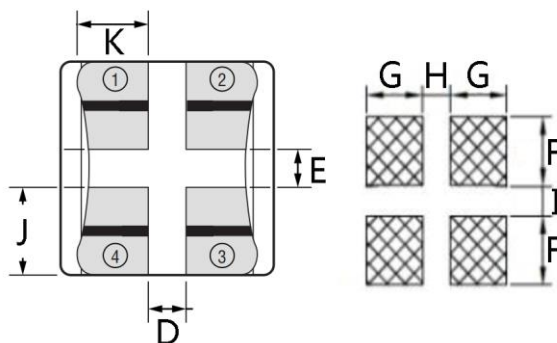
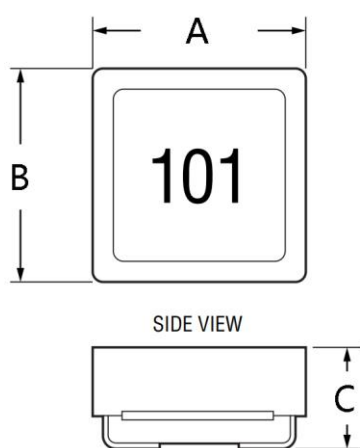
② Dimension: 5020=5.0x4.8x2.5(mm)

5040=5.0x4.8x4.5(mm)

③ Impedance: 501=500Ω

④ Packing:T=Tape & Reel.

●结构及尺寸



●Structure And Dimension

Unit:mm

TYPE	A	B	C	D	E	F	G	H	I	J	K
	±0.2	±0.2	Max	Typ	Typ	Typ	Typ	Typ	Typ	Typ	Typ
5020	4.8	5.0	2.5	0.8	1.0	2.3	1.60	0.80	1.00	1.90	1.35
5040	4.8	5.0	4.5	0.8	1.0	2.3	1.60	0.80	1.00	1.90	1.35

●规格

● Specifications

HSCM5020 系列(TYPE)

型号 Part Number	共模阻抗 Impedance @100MHz	直流电阻 Max.DC Resistance	绝缘电阻 Min.Insulation Resistance	额定电压 Rated Voltage	额定电流 Max.Rated Current
单位Units	Typ	mΩ	MΩ	Volts	A
符号Symbol	Z	DCR	IR	Vdc	Ir
HSCM5020-101T	100	13	10	50	5.5
HSCM5020-251T	250	20	10	50	4.5
HSCM5020-351T	350	20	10	50	3.5
HSCM5020-501T	500	27	10	50	3.5
HSCM5020-901T	900	24	10	50	1.6
HSCM5020-102T	1000	34	10	50	1.6
HSCM5020-142T	1400	56	10	50	1.2
HSCM5020-152T	1500	56	10	50	1.2

HSCM5040 系列(TYPE)

型号 Part Number	共模阻抗 Impedance @100MHz	直流电阻 Max.DC Resistance	绝缘电阻 Min.Insulation Resistance	额定电压 Rated Voltage	额定电流 Max.Rated Current
单位Units	Typ	mΩ	MΩ	Volts	A
符号Symbol	Z	DCR	IR	Vdc	Ir
HSCM5040-191T	190	20	10	50	5
HSCM5040-351T	350	40	10	50	2
HSCM5040-501T	500	50	10	50	1.5
HSCM5040-102T	1000	60	10	50	1.3
HSCM5040-152T	1500	100	10	50	1
HSCM5040-302T	3000	200	10	50	0.5

(1)Rated Current Temp rise 40°C Typ

(2)Storage Temperture:-20°C up to +40°C 75% RH max

(3)The temperature of electrical characteristic test is 25°C indoor temperature.

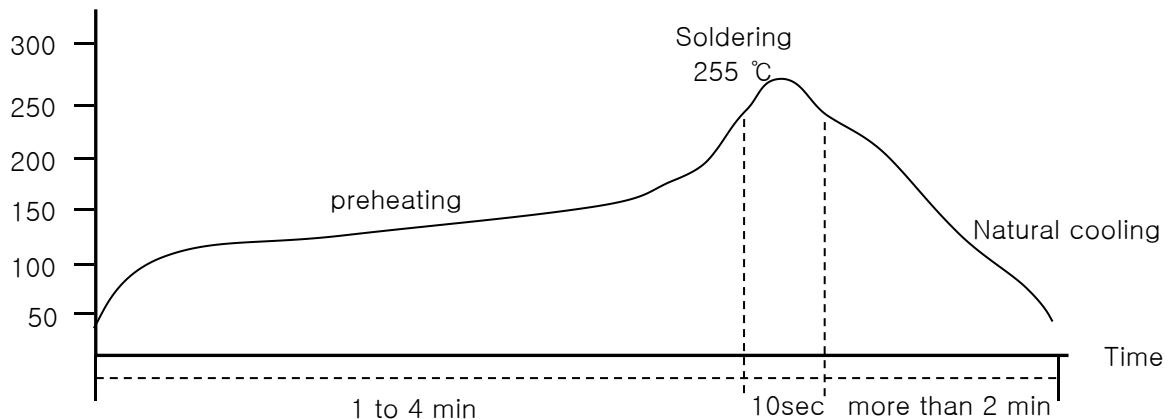
●可靠性测试/RELIABILITY TESTING

Operating Temperature	-40°C to +125 °C (Contain Heating coil)
Appearance Inspection	No external defects by visual inspection
Terminal Strength	After soldering , between copper plaet and terminals of coils , push in two directions of X , Y with standing 10N(1.02kg) for10+/-2 sec. Terminal should not peel off.(Refer to figure at right)
Heat endurance of reflow soldering	Refer to figure
Insulating resistance	Over 100 MΩ at 100V D.C . between wire and core
Dielectric Strength	Apply at 0.5KV 3mA for 1 minute between wire and core
Temperature characteristics	Inductance coefficient (0~2,000) × 10 / °C(- 40~ + 125 °C)
Humidity characteristics	Inductance deviation within ± 10% , after 96 hours in 90~95% relative humidity at 40 ± 2 °C and 1 hours drying under normal condition

A test is made under the above mentioned condition , and it is kept for 2 hours in the normal

IR Reflow profile

Temperature °C

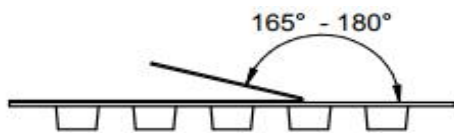
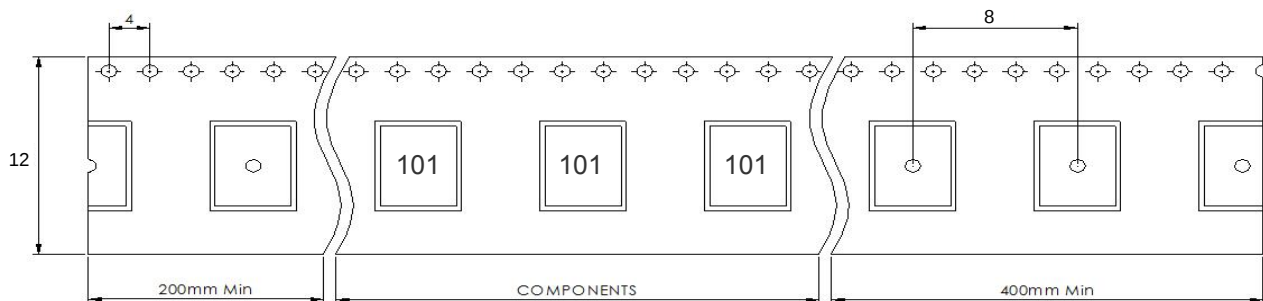


Temperature and humidity . After that , no mechanical and electrical defect should be found .

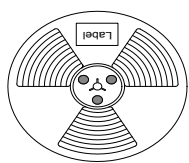
● 材料清单 MATERIAL LIST

NO.	ITEM	DESCRIPTION
1	CORE	FERRITE
2	SOLDER	LEAD-FREE
3	WIRE	UEW-H
4	ADHESIVE	EPOXY RESIN
5	INK	WHITE

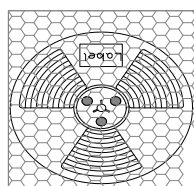
● 包装规格 PACKING SPECIFICATIONS



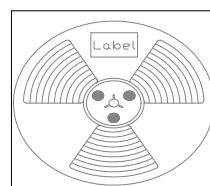
Tape width	Distance	Pull-of force
12 mm	8 mm	10~120g



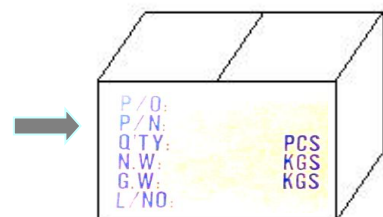
轮盘：直径178mm



PE袋



内盒



外箱，不足整箱用内盒或填充物装满