

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

RSCG 系列

P/N :

RSCG 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

RSCG 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

RSCG 5020 - 501 T
① ② ③ ④

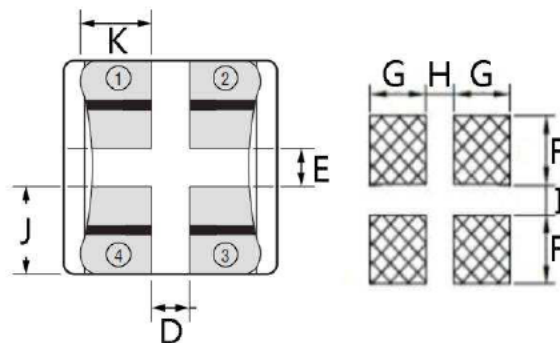
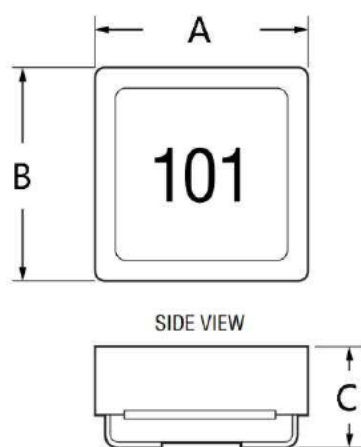
① Product symbol : Shielded Common Mode Choke Coil

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
				Typ	Typ	Typ	Typ	Typ	Typ	Typ	Typ
4532	5.0±0.3	4.5±0.3	2.8±0.3	1.0	1.65						
5020	4.8±0.2	5±0.2	2.5Max	0.8	1.0	2.3	1.60	0.80	1.00	1.90	1.35
5040	4.8±0.2	5±0.2	4.5Max	0.8	1.0	2.3	1.60	0.80	1.00	1.90	1.35

更多资讯，请点击华容源官网 more information,Please click: www.walrony.com

●规格

●Specifications

RSCG4532 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
RSCG4532-101T	100	9.0±40%	10±10%	50	6.0
RSCG4532-251T	250	14±40%	10±10%	50	5.0
RSCG4532-501T	500	19±40%	10±10%	50	2.0
RSCG4532-102T	1000±30%	24±40%	10±10%	50	2.0
RSCG4532-142T	1400	40±40%	10±10%	50	2.0

RSCG5020 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
RSCG5020-101T	100	13	10	50	5.5
RSCG5020-251T	250	20	10	50	4.5
RSCG5020-351T	350	20	10	50	3.5
RSCG5020-501T	500	27	10	50	3.5
RSCG5020-901T	900	24	10	50	1.6
RSCG5020-102T	1000	34	10	50	1.6
RSCG5020-142T	1400	56	10	50	1.2
RSCG5020-152T	1500	56	10	50	1.2

RSCG5040 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
RSCG5040-191T	190	20	10	50	5
RSCG5040-351T	350	40	10	50	2
RSCG5040-501T	500	50	10	50	1.5
RSCG5040-102T	1000	60	10	50	1.3
RSCG5040-152T	1500	100	10	50	1
RSCG5040-302T	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.

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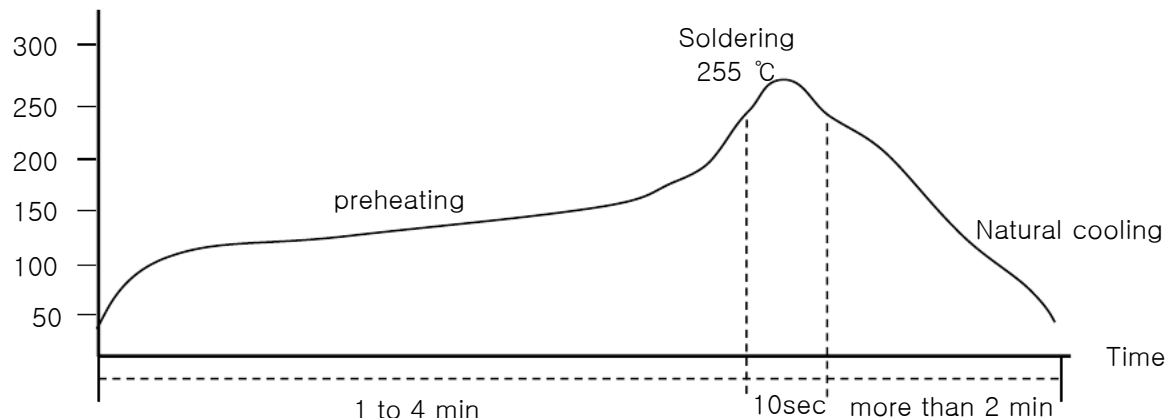
●可靠性测试/RELIABILITY TESTING

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

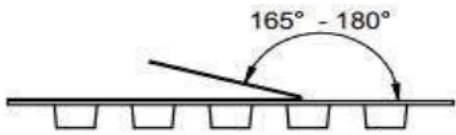
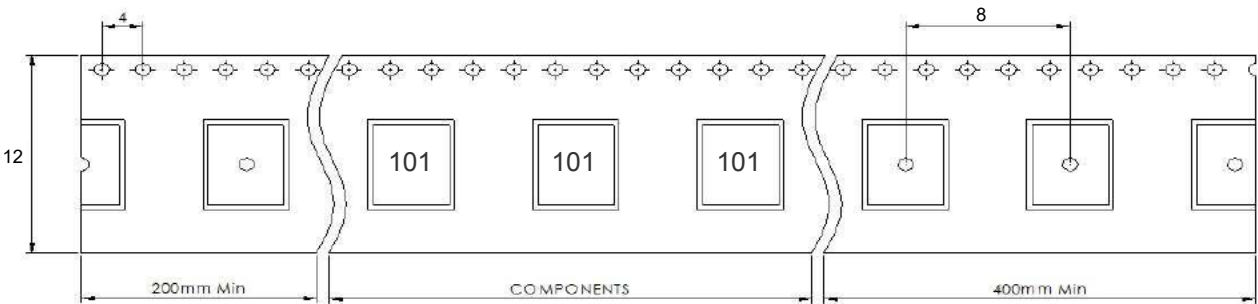


Temperature and humidity . After that , no mechanical and electrical defect should be found .

●

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

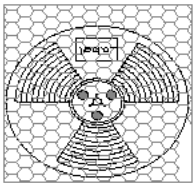
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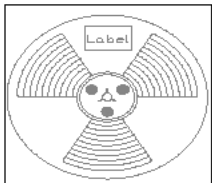
Tape width	Distance	Pull-of force
12 mm	8 mm	10~120g



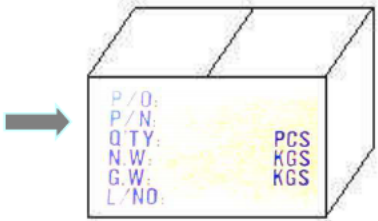
轮盘：直径178mm



PE袋



内盒



外箱，不足整箱用内盒或填充物装满