

SOREDE

索 瑞 達 電 子

深圳市索瑞达电子有限公司

承 认 书

SPECIFICATION FOR APPROVAL

客户名称: _____ 标准
Customer Name : _____

客户料号: _____
Customer P/N: _____

产品名称: _____ 共模电感
Product Name: _____

索瑞达料号: _____ SBCM.4520.YF系列
Sorede P/N: _____

制造厂商 Manufacturer	
拟制 Draft	莫程惠
审核 Check	符妃团 工程专用章
日期 Date	2022-07-25

客户承认印章 Approval Signet	
日期 Date	

地址: 深圳市观澜镇福城街道新塘村8号源创园陆号A6栋3楼.

Address: 3Rd Floor, Building A6, Yuanchuangyuanlu, No. 8 Xintang Village, Fucheng Street, Guanlan Town, Shenzhen.

电话 Tel: 0755-29803356 传真 Fax: 0755-29803506

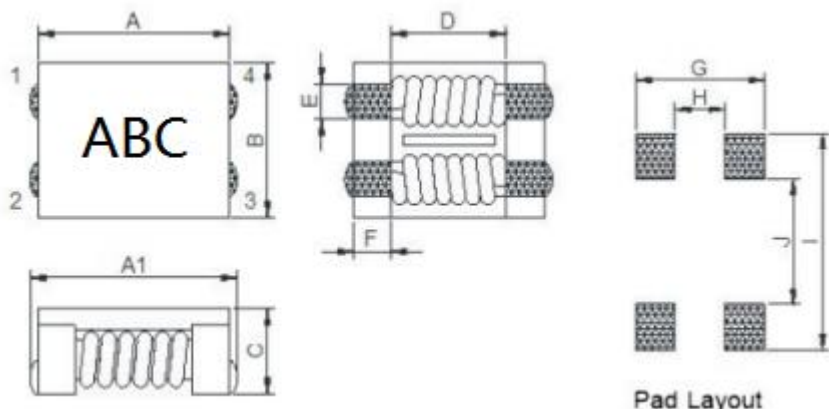
电子邮件 E-mail: sorde@vip.163.com

网址 [http:// www.szsorede.com](http://www.szsorede.com)

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1、外形尺寸 Dimension :

单位Unit: mm



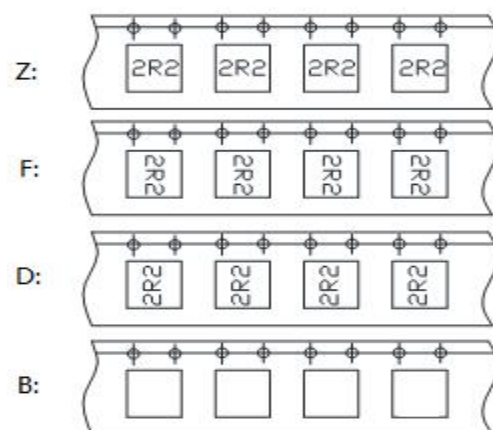
A	4.7 ±0.5
A1	5.2 ±0.5
B	4.5 ±0.5
C	2.2Max
D	2.7Typ
E	0.8Typ
F	1.0Typ
G	3.0Typ
H	1.0Typ
I	6.0Typ
J	2.0Typ

2、产品品名构成 Product Spec. Model

SBCM . 4520 . Y F 151 T T 00
a b c d e f g h

- a: 系列名称 Series name
- b: 产品尺寸 Product dimensions
- c: 密封方式 Sealing way (L: 冷封 Cold seal Y: 热封 Heat seal)
- d: 印字方向 Lettering direction ▶
- e: 阻抗值 Impedance Value
(900:90Ω; 151: 150Ω; 102:1000Ω)
- f: 阻抗公差 Impedance Tolerance(±25%)
- g: 包装 Package(T:磁带/卷轴 Tape/Reel、B: 散装 Bulk)
- h: 编号 Numbering (标准 standard)

▶ Lettering direction



3、材料清单 MATERIAL LIST

NO.	PARTS	MATERIAL SPECIFICATIONS	UL FILE NO.	TEMP. CLASS
1	CORE	FERRITE	FENGYIN OR EQ	NA
2	WIRE	P180 Grd1	ELEKTRISOL A OR EQ	180°C
3	CASE	LCP	LIAN CHENG OR EQ	NA
4	ADHESIVE	EPOXY RESIN	NAGASE OR EQ	NA
5	SOLDER	Sn99.3:Cu0.7	SHENMAO OR EQ	NA

*NA:NOT APPLICABLE.

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4、电性能参数表 Electrical Characteristics List

Part Number	Impedance (Ω @100MHz)		DCR (m Ω) max.	Rated Current (A)Max	Rated Volt. (Vdc)max	IR (M Ω) min.	MARK
	Min	Typ					
SBCM.4520.YF900TT00	60	90	35	3.2	50	10	900
SBCM.4520.YF151TT00	90	150	40	3.1	50	10	151
SBCM.4520.YF231TT00	180	230	45	3	50	10	231
SBCM.4520.YF301TT00	200	300	45	3	50	10	301
SBCM.4520.YF421TT00	300	420	50	2.5	50	10	401
SBCM.4520.YF701TT00	500	700	59	2.2	50	10	701
SBCM.4520.YF901TT00	650	900	68	2.1	50	10	901
SBCM.4520.YF102TT00	800	1000	68	2.1	50	10	102
SBCM.4520.YF122TT00	1000	1200	74	2	50	10	122
SBCM.4520.YF142TT00	1200	1400	81	1.9	50	10	142

Note:

※工作温度 Operating temperature rang: -40 °C to +125°C (Including Self-heating)

※储存温度 Storage temperature rang: -40 °C to +125°C

※Impedance measure condition at 100MHz,0.5V. 共模阻抗测试条件为 100MHz,0.5V。

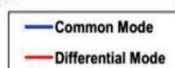
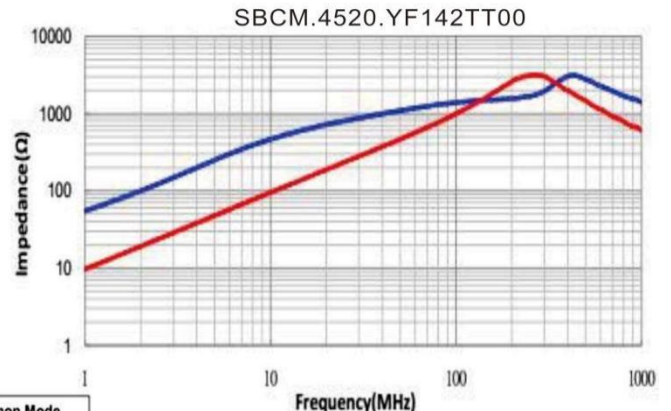
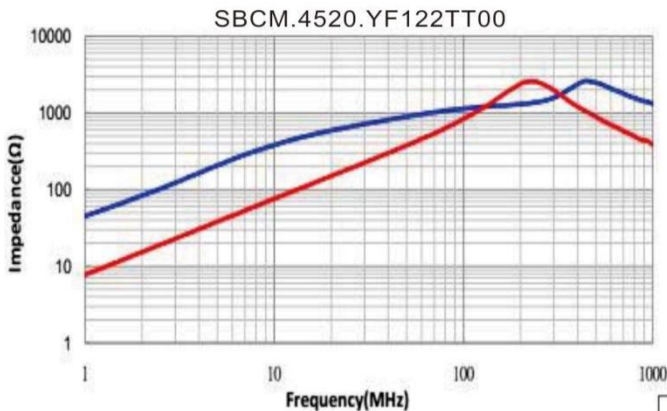
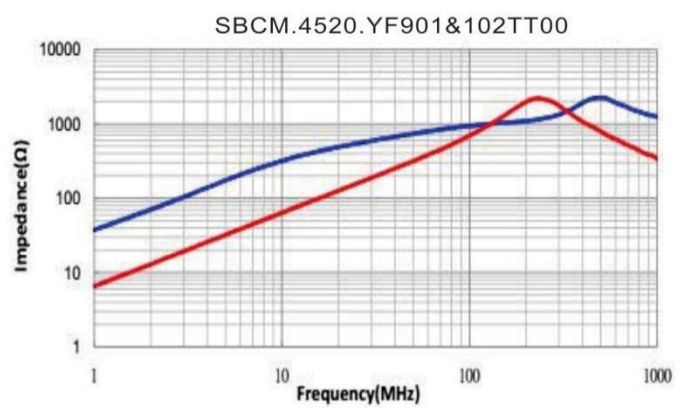
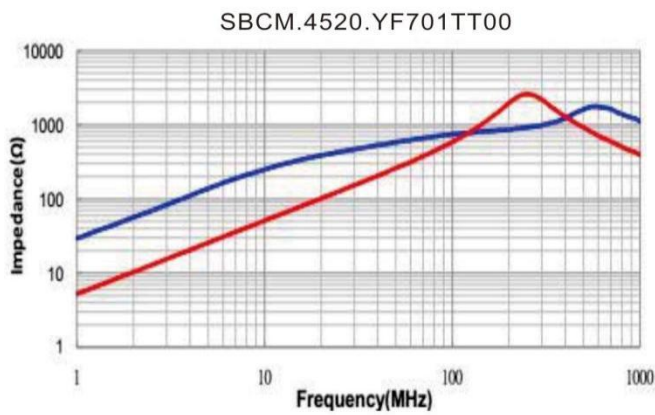
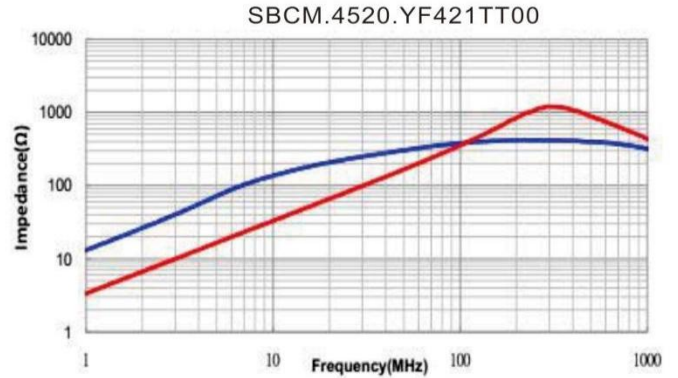
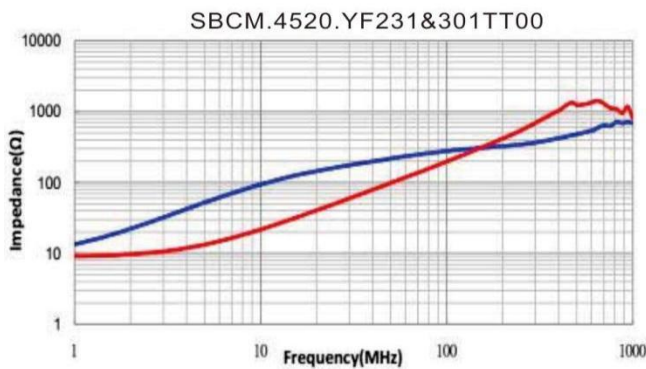
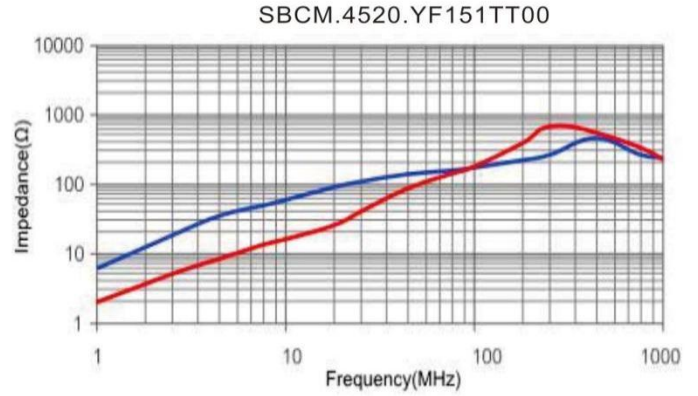
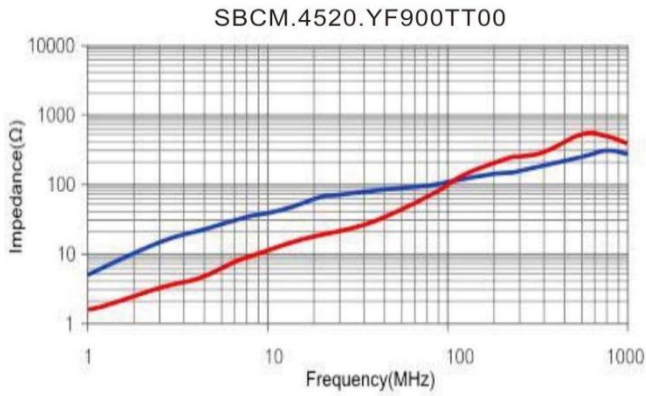
※Rated current: the value of DC current when the temperature rise is $\Delta T40^{\circ}C$ ($T_a=25^{\circ}C$).

额定电流：使产品温度上升到 $\Delta T40^{\circ}C$ 时所加载的直流电流值($T_a=25^{\circ}C$)。

4-1、参数表 Characteristics List

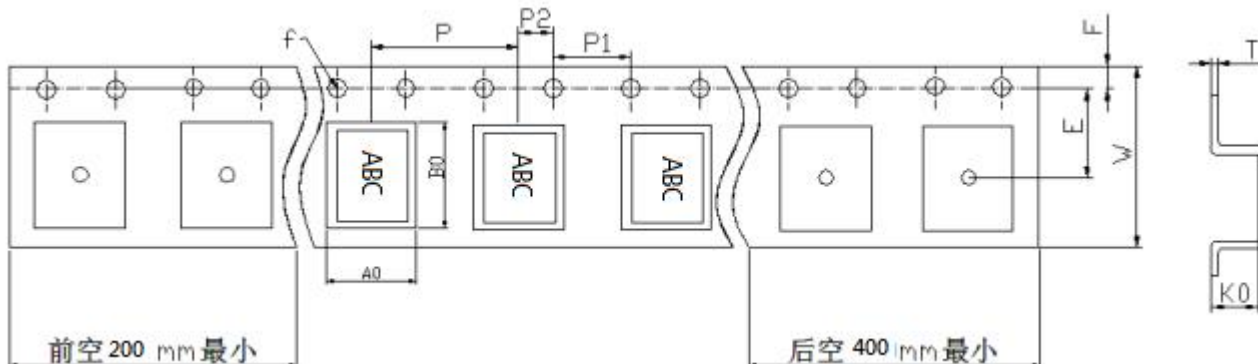
Common Mode Line Filter SBCM.4520 Series

CHARACTERISTICS(REFERENCE)



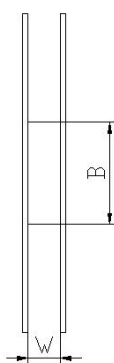
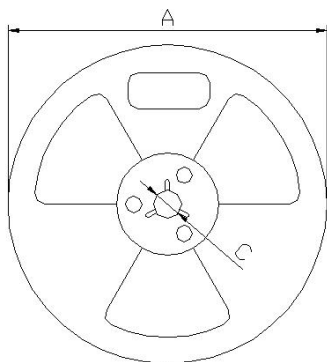
5、产品包装 Packaging

1) 载带包装示意图 Tape packing diagram



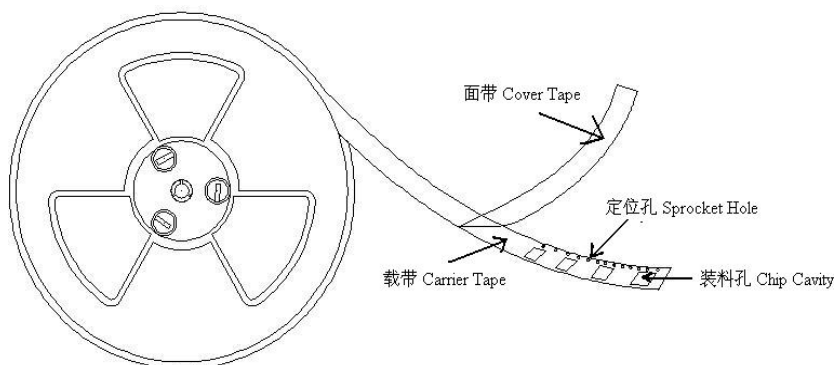
Series	W	P	P1	P2	E
		12.0±0.1	8±0.1	4.0±0.1	2.0±0.1
SBCM.4520	F	A0	B0	K0	T
	1.75±0.1	5.1±0.1	5.8±0.1	2.6±0.1	0.35±0.1

2) 卷盘包装示意图 Tape packing diagram



A	180±0.5
B	100±0.5
C	13.5±0.5
W	12.5±0.5

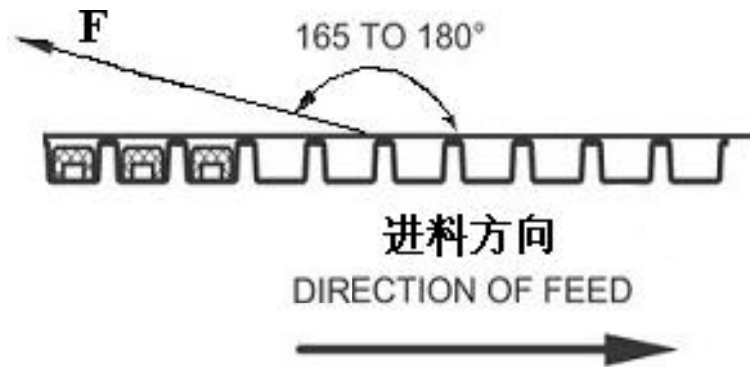
3) 卷盘包装示意图 Tape packing diagram



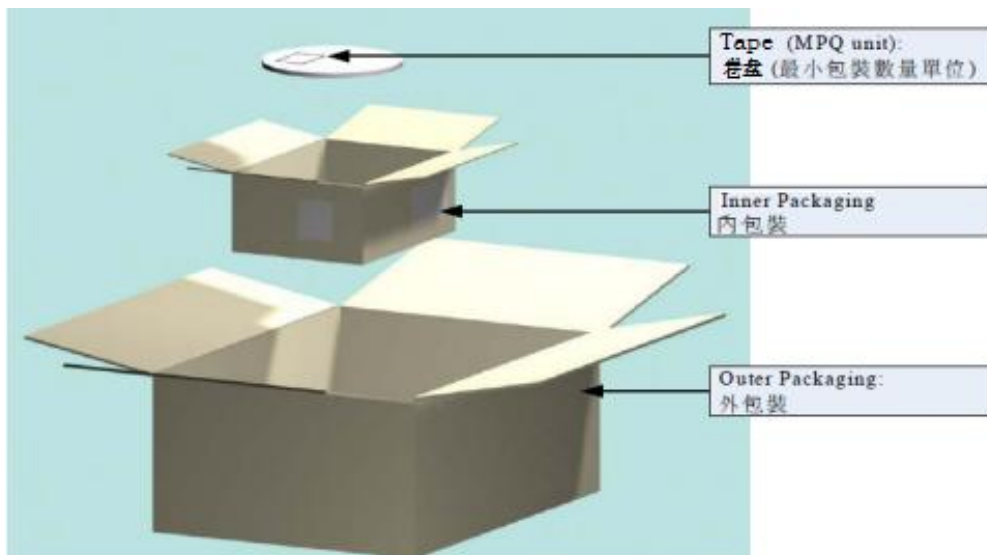
4) 剥离强度要求 Peeling required

① F 力大小: 20~100g;

② 面带剥离角度: 165°~180°。



5) 包装数量 Packing quantity



项目 (Project)	数量 (PCS)	尺寸规格 (Size:mm)
盘(Reel)	1000	7"
内盒 (Inner box)	8000	185mm*185mm*120mm
外箱 (Out box)	48000	395mm*385mm*205mm

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6、信赖性试验 RELIABILITY TEST

N O	Item 项目	Specifications 规范	Test Methods 测试方法
1	Solder-Ability 可焊性	More than 90% of termination should be covered with new solder. 端电极焊锡覆盖率为 90%以上	Solder 焊锡: Sn 纯锡 Temperature 焊锡温度: 255°C+5°C/-0°C Flux 助焊剂: rosin 松香 Duration 浸渍时间: 3.5±0.5s
2	Leaching Resistance 耐焊性	More than 75% of termination should be covered with new solder. 端电极焊锡覆盖率为 75%以上	Solder 焊锡: Sn 纯锡 Temperature 焊锡温度: 270°C+2°C/-0°C Flux 助焊剂: rosin 松香 Duration 浸渍时间: 10±0.5s
3	Drop 跌落		Drop 10 times on a concrete floor from a height of 1m. 从距混凝土地面 1m 高度自由落下, 重复 10 次
4	Vibration 振动		Frequency 频率: 10 to 55Hz Amplitude 振幅: 1.52mm Direction and time 方向及时间: X, Y and Z directions for 2 hours each.
5	Humidity resistance 耐潮湿	①No mechanical damage shall be noticed 外观无可见机械损伤 ②Impedance shall be within ±20% of the initial value 阻抗变化率≤±20%	a. Test condition 试验条件 Temp. 温度: 40±5°C Humidity 湿度: 90%~95% Test time 试验时间: 500±12hr. b. Measurement method 测量条件: The component should be stabilized at normal condition for 24 hours before test. 试验后常温常湿环境中放置 (24±2) 小时后测量
6	High temperature resistance 耐高温		a. Test condition 试验条件 Applied rated current 施加额定电流 Temp. 温度: 85±5°C Test time 试验时间: 500±12hr. b. Measurement method 测量条件: The component should be stabilized at normal condition for 24 hours before test. 试验后常温常湿环境中放置 (24±2) 小时后测量
7	Low temperature resistance 耐低温		a. Test condition 试验条件 Temp. 温度: -40±5°C Test time 试验时间: 500±12hr. b. Measurement method 测量条件: The component should be stabilized at normal condition for 24 hours before test. 试验后常温常湿环境中放置 (24±2) 小时后测量
8	Thermal shock 热冲击	②Impedance shall be within ±20% of the initial value 阻抗变化率≤±20%	a. Test condition 试验条件 1) Temp. 温度: -40°C, time 时间: 30±3min 2) Temp. 温度: +85°C, time 时间: 30±3min 100 cycles b. Measurement method 测量条件: The component should be stabilized at normal condition for 24 hours before test. 试验后常温常湿环境中放置 (24±2) 小时后测量

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7、注意事项 Note

①本承认书保证我司产品作为一个单体时的质量情况。当我司产品被安装到贵司产品上时，请保证贵司的产品已根据贵司的规范进行了有效评估和确认。

This product specification guarantees the quality of our product as a single unit. Please make sure that your product is evaluated and confirmed against your specifications when our product is mounted to your product.

②如果贵司对我司产品的使用已超过了本承认书所界定的产品功能，那么对于由此引发的失效，我司将不予保证。

We cannot warrant against failure caused by any use of our product that deviates from the intended use as described in this product specification.

③为了保持终端电极的焊接性，并使包装材料保持良好状态，必须控制储存区的温度和湿度。

To maintain the solderability of terminal electrodes and to keep the packing material in good condition, temperature and humidity in the storage area should be controlled.

※建议的条件：-10 ~ +40℃，30~70%RH。

Recommended conditions: -10 ~ +40℃，30~70%RH.

※储存超过六个月的，应在实际使用前进行焊接检验。

In case of storage over 6 months, solderability shall be checked before actual usage.

※即使在理想的储存条件下，产品的可焊性也随着时间的推移而降低。因此，产品应从交货时算起，建议8个月之内使用完。

Even under ideal storage conditions, the weldability of the product decreases over time.

therefore, the product should be From the time of delivery, it is recommended that it be used within 8 months.

④本承认书在客户收到30天之内，必须签章返回，逾期视为默认。

The Specification Approval should be sent back to the supplier with customer's chop on it within 30 days after receiving it, or we will take it as approved by customer's automatically.

⑤如有特殊规格要求，请事前联络我司技术部人员。

In case of special specifications please contact our technical department prior staff.