

Specification for Approval

Date: 2024/1/1

Customer:

BYTEK P/N: BCM5025-H01 - SERIES

CUSTOMER P/N:

DESCRIPTION:

QUANTITY: pcs

REMARK:

Customer Approval Feedback

深圳市栢亿科技有限公司
ShenZhen BYTEK Technology Co.,Ltd.

Unit 1701, Silicon Valley Power E-commerce
Port, No. 10, Longgang Road, Longgang
District, Shenzhen, Guangdong Province
TEL: (+86)755-8242 3892
FAX: (+86)755-8242 3852
E-MAIL:vincent@bytek.com.cn

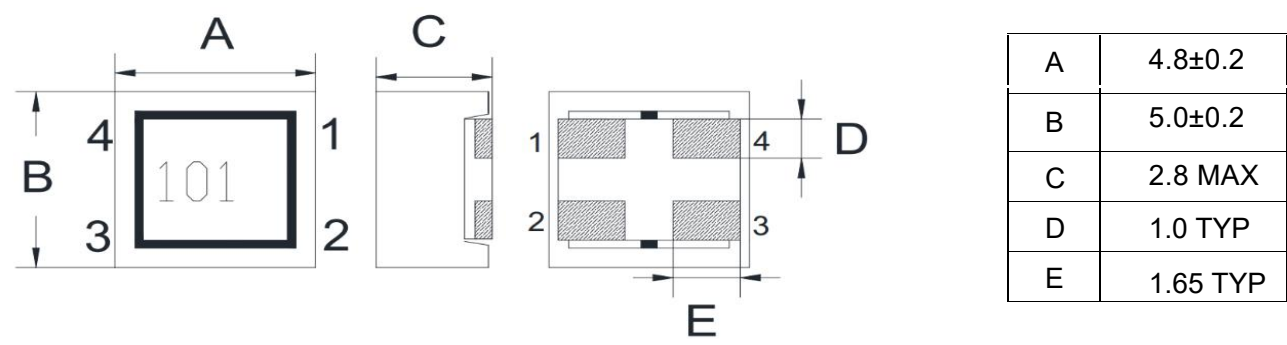
Sales Dep.

APPROVED	CHECKED
谢林阳	李昱珩

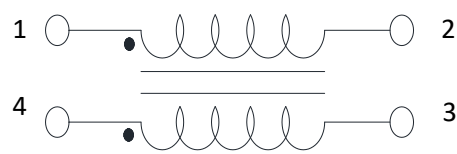
R&D Center

APPROVED	CHECKED	DRAWN
文 睿	谢庆芬	兰 静

一.外观图/DIMENSION (单位/UNIT: mm)



二.电路图/CIRCUIT DIAGRAM



三.电气特性/ELECTRICAL CHARACTERISTIC

P/N	Z(Ω) 100MHz/0.5V		RDC (mΩ) Max	Rated Current (A) Max	IR (MΩ) Min	Rated Voltage (V) Max	Marking
	Min	Typ					
BCM5025F-101-H01	70	100	13	6.0	10	50	101
BCM5025F-251-H01	175	250	20	5.0	10	50	251
BCM5025F-501-H01	350	500	27	4.0	10	50	501
BCM5025F-102-H01	700	1000	34	2.0	10	50	102
BCM5025F-142-H01	980	1400	56	1.5	10	50	142
BCM5025F-152-H01	1050	1500	56	1.5	10	50	152

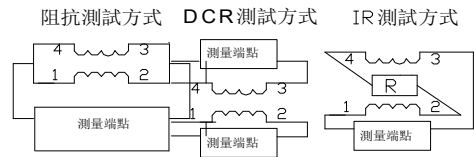
測試儀器：

L:HP4284A
 Z(Ω):HP4395A RDC(mΩ):CH502BC
 I.R(MΩ):19073

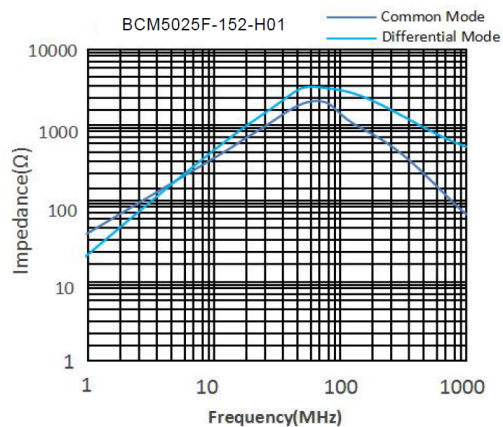
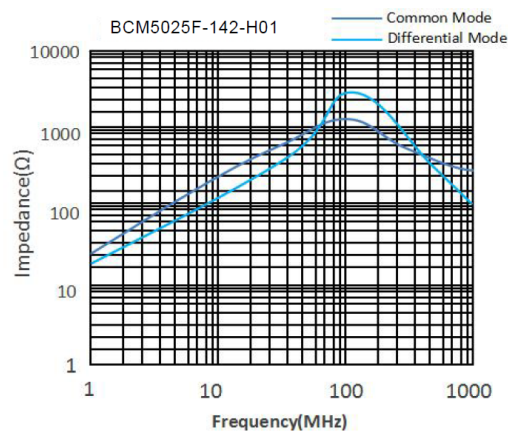
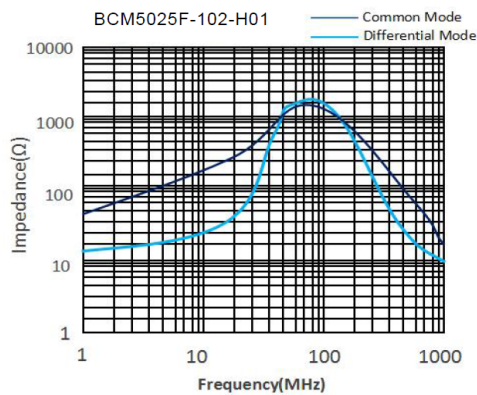
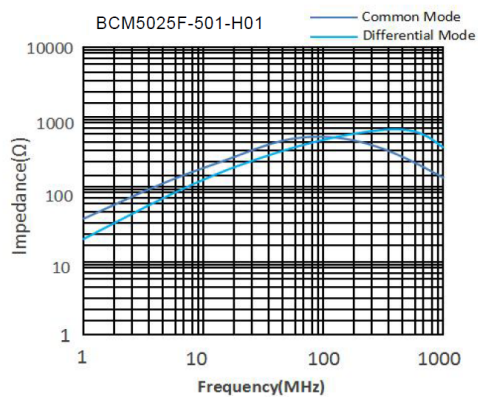
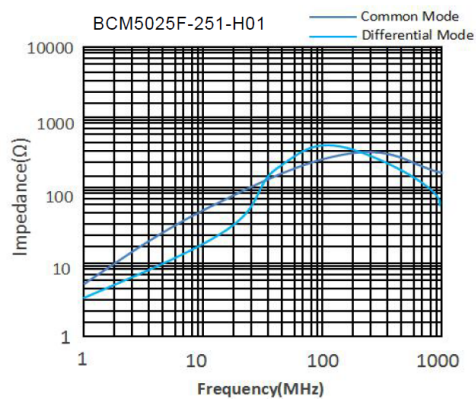
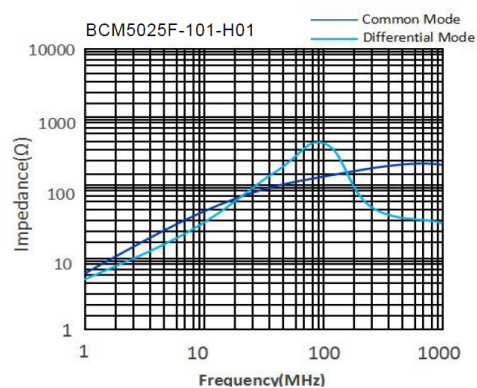
注意事项：

1. 產品符合《環境關聯物質管理標準規定》.
2. 平貼度0.10mmMax
3. 兩組同時繞線
4. I.R:電壓:測試時間:0.5S
5. IDC:溫升為40℃Typ

特性測試方式如下：



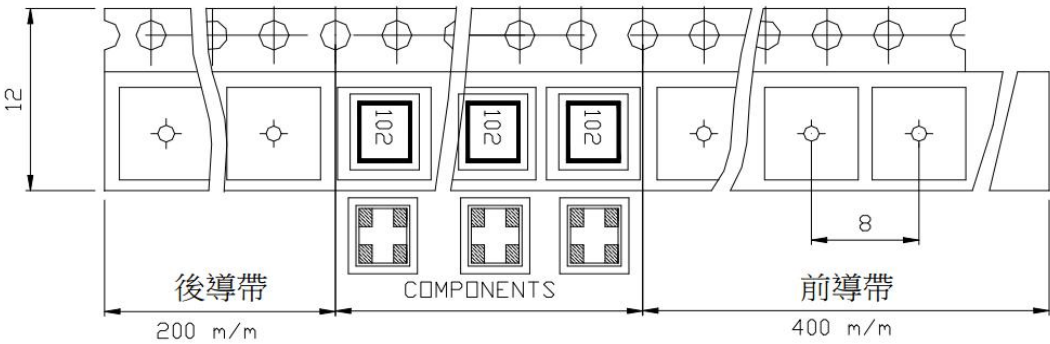
四. 曲线特性图表/Graph characteristic chart



五.材料清单/MATERIAL LIST

NO.	ITEM	DESCRIPTION	SUPPLIER
1	DR CORE	C-CORE5025-001	YUXINDIANZI
2	RI CORE	C-CORE5025-002	YUXINDIANZI
3	WIRE	2UEW P180	ELEKTRISOLA OR EQ
4	SOLDER	Sn Cu	SHENMAO OR EQ
6	INK	白色	BON MARK
7	EPOXY	FA661	HUIFENGDIANZI

六.编带规格/TAPING SPECIFICATIONS

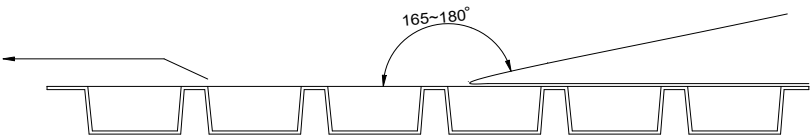


起始字需对准定位孔, 印字仅供参考

Transparent carrier and cover tape/透明载带和覆盖带

Adhesive strength of cover tape is 20 to 120 gf

The conduction band direction



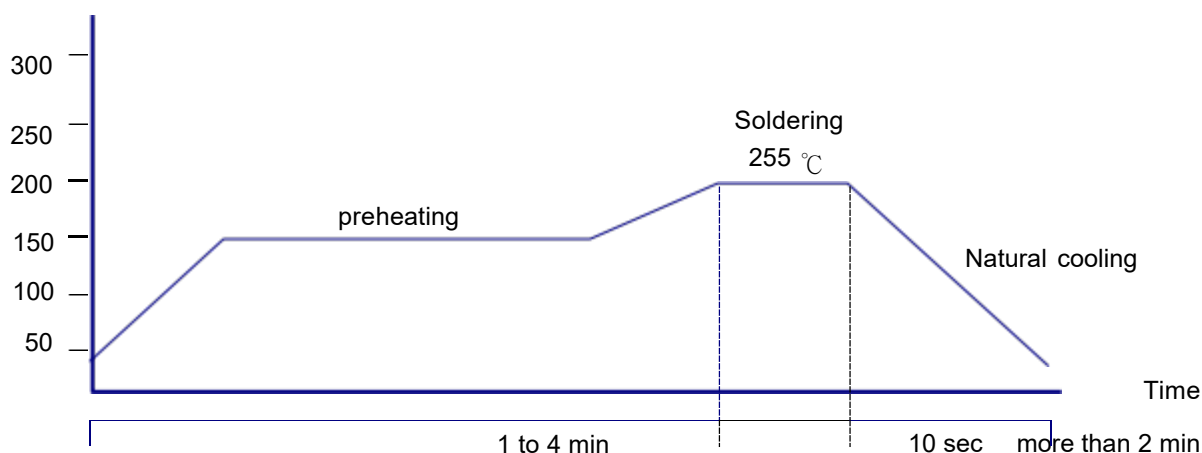
七.可靠性测试/RELIABILITY TESTING

Operating Temperature	-40 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

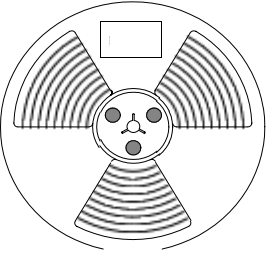
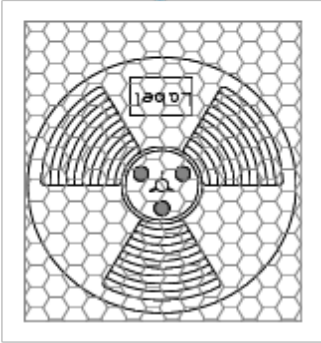
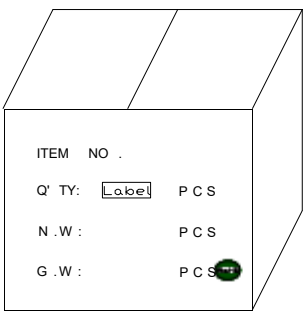
IR Reflow profile

Temperature °C



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

八.包装方式/PACKING LIST

	1、轮盘规格：12"(直径330mm) 数量：2500PCS/盘 作业说明：A.摆料方向为字首朝导带孔。 B.载带尾部用美纹胶纸固定。
	2、数量：2500PCS/袋。 作业说明:编带检查好的产品装进PE中。
	3、数量：10000PCS/盒 作业说明：标签朝上装入内盒里面，将内盒盖扣好。
	4、数量：40000PCS/箱。 作业说明：A.先将内、外箱底部封好，内箱装进外箱里面。 B.将内盒装进内、外箱里面，并用透明胶带封好外箱顶部。 C.在外箱位置贴一张外箱标签。 D.当尾数箱不足一整箱时需用内盒或填充物装满。