

承 认 书

SPECIFICATION FOR APPROVAL

CUSTOMER			
CUSTOMER'S P/N			
DATE	16/Mar/2023	REVISION NO.	A
PART NO.	CKMW9070 Series		
DRAWN NO.			
DESCRIPTION.	SMD WIRE WOUND TYPE COMMON MODE FILTER		
Customer's Signature			
Approved by	Checked by	Drawn by	
黄大燕	黄大燕	林树英	
16/Mar/2023	16/Mar/2023	16/Mar/2023	



广 州 市 今 凯 电 子 有 限 公 司

GUANG ZHOU CHK ELECTRONIC Co., Ltd

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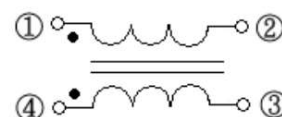
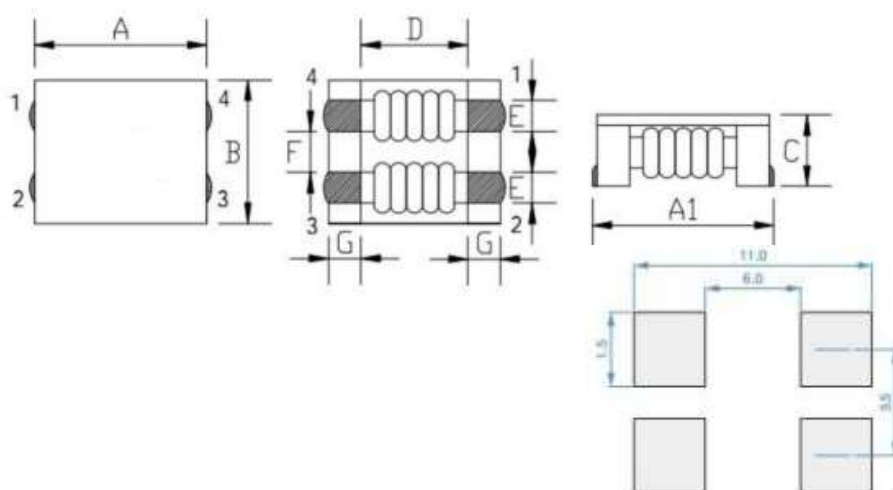
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1.SHAPE & DIMENSION

UNIT: mm

SCHEMATICS



A	A1	B	C	D	E	F	G
9	9.5	7	4.8	5.7	1.5	2	1.7
±0.5	±0.5	±0.5	MAX	TYP	±0.2	±0.2	±0.2

PART NUMBERING SYSTEM

CK MW 9070 D 301 T

1 2 3 4 5 6

- 1 CHK PRODUCTION (今凯制造)
- 2 PRODUCT CATEGORY (产品种类)
- 3 DIMENSIONS (尺寸规格)
- 4 IMPEDANCE MEASUREMENT (阻抗衡量)
- 5 INDUCTANCE (电感量)
- 6 PACKAGING (包装方式)

APPROVED BY	CHECKED BY	DRAFT BY
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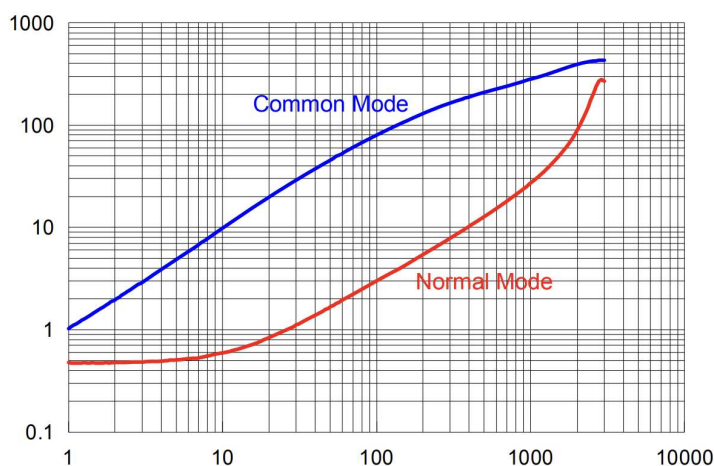
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2.SPECIFICATION

PART NUMBER	Z(Ω) at100MHZ/0.2V		DC RESISTANCE	RATED CURRENT(A)	RATED VOLT. (V)MAX	IR
	(Min)	TYP	m Ω MAX	MAX	Vdc	m Ω MIN
CKMW9070D301T	225	300	6	6	80	10
CKMW9070D301T-F	300+50%/-30%		6	10	80	10
CKMW9070D501T	450	600	8	5.5	80	10
CKMW9070D701T	500	700	10	5	80	10
CKMW9070D102T	750	1000	13	4	80	10
CKMW9070D222T	1700	2000	60	2.5	80	10
CKMW9070D272T	2000	2700	86	2	80	10
CKMW9070D302T-F	3000+50%/-30%		70	3	80	10

CKMW9070D301T



◆TEST CONDITION

ITEM	TEST INSTRUMENTS
L	Agilent-4291A+Agilent-16107A
DCR	Agilent-4338B
I.R.	Agilent-4339

※此物料仅用于消费电子领域，若用于车载，航天，军事领域引起的一切品质和责任问题，我司既不承担※

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3.MATERIAL LIST & GENERAL SPECIFICATION

材料名称	型号及规格
ITEM	Materials
Upper Plate	Ferrite
Core	Ferrite Core
Termination	Tin(Pb Free)
Wire	Enameled Copper Wire

GENERAL SPECIFICATION	
Electrical specifications :	at 20~25℃
Operation Temperature :	-40~+125℃
Storage Temperature :	-40~+125℃

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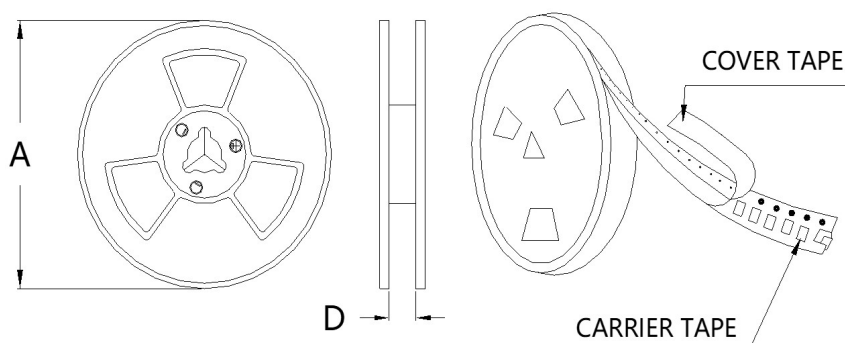
4.PACKAGING(unit: mm)

1.包装类型

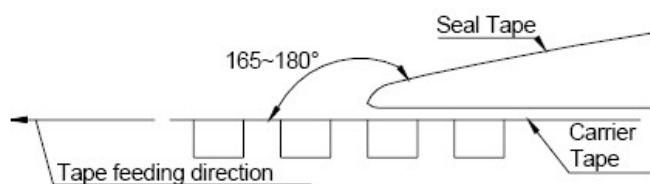
2.包装尺寸

13" 盘

7" 盘



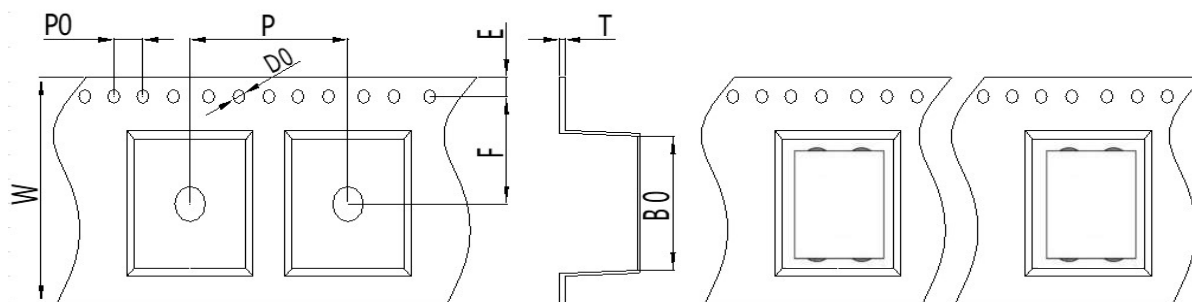
	13" 盘	7" 盘
A	$\Phi 330 \pm 2.0$	$\Phi 178 \pm 2.0$
D	25.0 ± 0.5	



Peel-off strength:10~100gf.

Peel-off angle:165°-180°

Peel-off speed:300mm/min.



产品摆放方向顶视图

底视图

Item	W	B0	P	T	E	F	D0	P0		
DIM(mm)	24.0 ± 0.3	9.6 ± 0.1	16 ± 0.1	0.4 ± 0.05	1.75 ± 0.1	11.5 ± 0.1	1.5 ± 0.1	4.0 ± 0.1		

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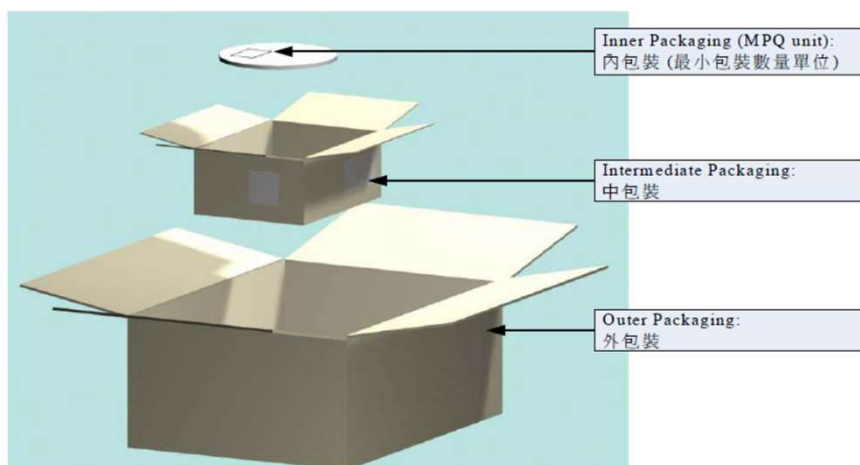


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5. CARTON



1.1 外箱: 36*36*23 cm 一箱装 2内箱

1.2 内箱: 33.5*33.5*9 cm 一箱装3卷制品

1.3 外箱材质: A三A

1.4 内箱材质: A=A

1.5 每一卷制品用一只静电袋包装

1.6 每一静电袋内放一只袋干燥剂

1.7 每一卷上面依标签样式的要求贴上标签明细

1.8 出货内外箱贴上该箱内实际内容明细

1.9 出货标签规格如下: 尺寸=长度:39mm 宽度:29mm

(如: 客户有特殊要求时, 则依客户要求实施.)

储存条件及期限:

温度: 20-25℃

湿度: ≤70%

时间: 六个月

卷轴包装数量

每卷	500	PCS
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外箱包装数量

每箱	6 卷,共	3000	PCS
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内箱包装数量

每箱	3 卷,共	1500	PCS
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6. RELIABILITY TEST

Test Items		Test Conditions	Criteria
1	High temperature resistance	Temperature:85℃ Testing time: 1000 hours. Measurement: After placing for 24 hours min	Appearance: Ferrite shall not be damaged. Impedance : Within $\pm 20\%$ of the initial value
2	Low temperature resistance	Temperature:-25℃ Testing time: 1000 hours. Measurement: After placing for 24 hours min.	Appearance: cracking, chipping or any other defects harmful to the characteristics shall not be allowed. Impedance: Within $\pm 20\%$ of the initial value.
3	Thermal shock	Temperature:-25℃,+85℃, kept stabilized for 30 minutes each Cycle:100 cycles Measurement: After placing for 24 hours min.	Appearance: Cracking, chipping or any other defects harmful to the characteristics shall not be allowed. Impedance: Within $\pm 30\%$ of the initial value.
4	Humidity resistance	Humidity:95%RH Temperature:60℃ Testing time: 1000 hours. Measurement: After placing for 24 hours min	Appearance: Ferrite shall not be damaged. Impedance: Within $\pm 20\%$ of the initial value.

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7. SOLDERING CONDITIONS

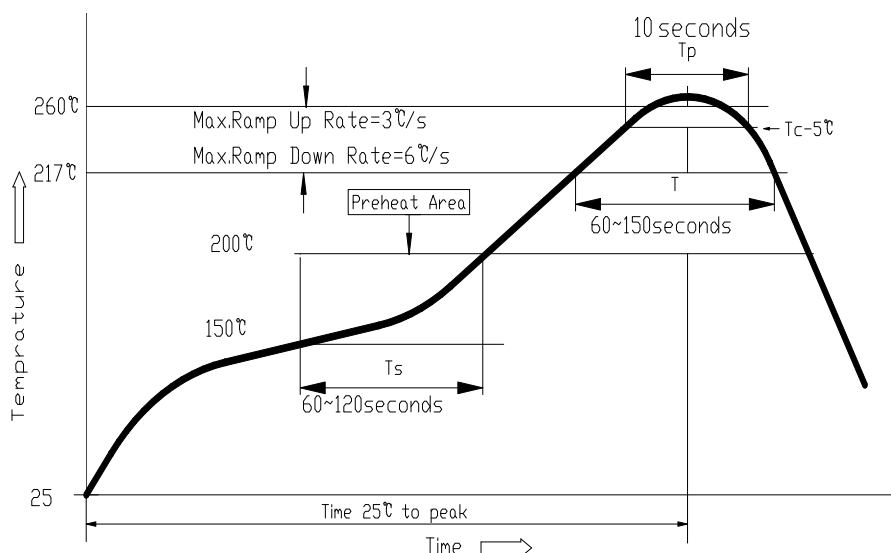
Applicable soldering process to the products is refl.

Soldering Materials

(1) Solder:Sn-3.0Ag-0.5Cu

(2) Flux:Use rosin-based flux,but not strongly acidic flux (with xhlorine exceeding 0.2wt%).Do not use water-soluble flux.

Reflow Soldering Profile



Soldering Iron

Reworking with electric soldering iron must preheating at 150°C for 1 minute is required,and do not directly touch the core with the tip of the soldering iron.The reworking soldering conditions are as follows.

- ①Temperature of soldering iron tip:350°C;
- ② Soldering iron power output:≤30W;
- ③ Diameter of soldering iron end:≤1.0mm;
- ④Soldering time:<3 s

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