承　　认　　书

SPECIFICATION FOR APPROVAL

CUSTOMER			
CUSTOMER'S P/N			
DATE	26/Jul/2026	REVISION NO.	A
PART NO.	CKMW2012D Series		
DRAWN NO.			
DESCRIPTION.	SMD WIRE WOUND TYPE COMMON MODE FILTER		
Customer's Signature			

Approved by	Checked by	Drawn by
梁智坤	黄大燕	赵龙宇
10/Apr/2025	10/Apr/2025	10/Apr/2025

广 东 今 凯 电 子 科 技 有 限 公 司

GUANG DONG CHK ELECTRONIC TECH Co., Ltd

广东省佛山市顺德区北滘万洋科创园二区3栋

Building 3, District 2, Beijiao Wanyang Science and Technology Innovation Park, Shunde District, Foshan City, Guangdong Province

www.gzchk.com

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GUANG DONG CHK ELECTRONIC TECH Co., Ltd

ECN HISTORY LIST

REV	DATE	DESCRIPTION	CHECK	APPROVED
A	2026/7/26	新规作成	黄大燕	梁智坤

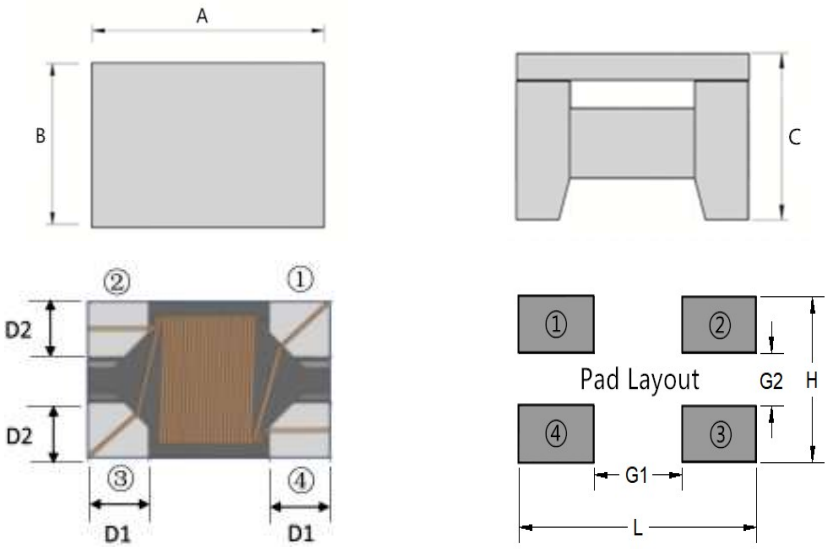
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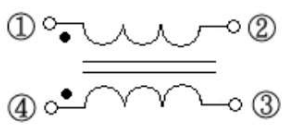
CUSTOMER		REVISION NO.	A
CUSTOMER'S P/N		PAGE	P 1/10
DESCRIPTION.	SMD WIRE WOUND TYPE COMMON MODE FILTER	DRAWN NO.	0
PART NO.	CKMW2012D Series	DATE	2026/7/26

1.SHAPE & DIMENSION

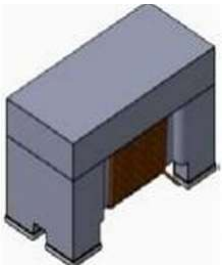
UNIT: mm



SCHEMATICS



SHAPE



A	B	C	D1	D2	G1	G2	L	H
2	1.2	1.2	0.45	0.5	1.2	0.4	2.6	1.4
±0.2	±0.2	±0.2	±0.1	±0.1	Ref.	Ref.	Ref.	Ref.

PART NUMBERING SYSTEM

CK	MW	2012	D	801	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 **MEASUREMENT STANDARD（衡量标准） D = 阻抗衡量 L = 电感衡量**
5 **MEASUREMENT （衡量值 阻抗/电感）**
6 **PACKAGING （包装方式）**

APPROVED BY	CHECKED BY	DRAFT BY
梁智坤	黄大燕	赵龙宇

CUSTOMER	0	REVISION NO.	A
CUSTOMER'S P/N	0	PAGE	P 2/10
DESCRIPTION.	SMD WIRE WOUND TYPE COMMON MODE FILTER	DRAWN NO.	0
PART NO.	CKMW2012D Series	DATE	2026/7/26

2.SPECIFICATION

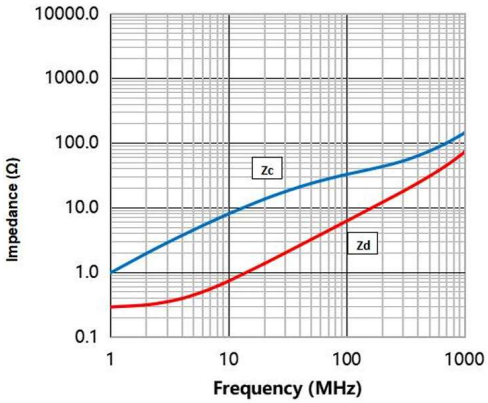
PART NUMBER	Common mode Impedance	TEST FREQUENCY	DC RESISTANCE	RATED CURRENT	RATED VOLT.	IR
	ZΩ ±25%	MHz	Ω MAX	mA	Vdc	Ω MIN
CKMW2012D300T	30	100	0.2	450	50	10M
CKMW2012D500T	50	100	0.25	400	50	10M
CKMW2012D670T	67	100	0.25	400	50	10M
CKMW2012D900T	90	100	0.3	400	50	10M
CKMW2012D121T	120	100	0.3	370	50	10M
CKMW2012D180T	180	100	0.35	330	50	10M
CKMW2012D221T	220	100	0.4	300	50	10M
CKMW2012D261T	260	100	0.4	300	50	10M
CKMW2012D371T	370	100	0.45	280	50	10M
CKMW2012D401T	400	100	0.4	280	50	10M
CKMW2012D501T	500	100	0.6	220	50	10M
CKMW2012D601T	600	100	0.55	220	50	10M
CKMW2012D801T	800	100	0.7	180	50	10M
CKMW2012D901T	900	100	0.8	150	50	10M
CKMW2012D102T	1000	100	0.8	150	50	10M
CKMW2012D122T	1200	100	1.4	100	50	10M
CKMW2012D222T	2200	100	1	100	50	10M

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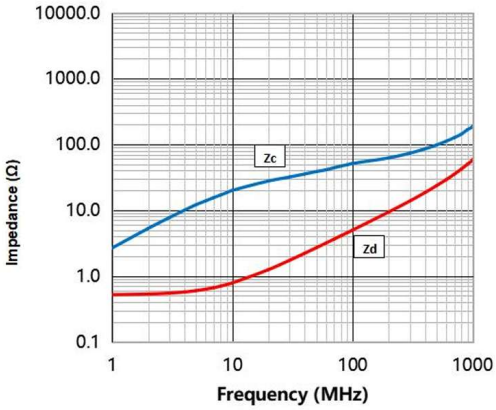
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CUSTOMER'S P/N	0	PAGE	P 3/10
DESCRIPTION.	SMD WIRE WOUND TYPE COMMON MODE FILTER	DRAWN NO.	0
PART NO.	CKMW2012D Series	DATE	2026/7/26

3.CURVE FREQUENCY

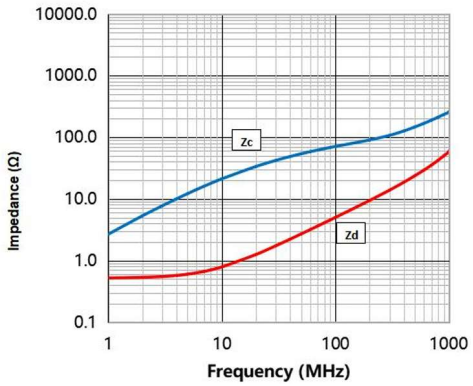
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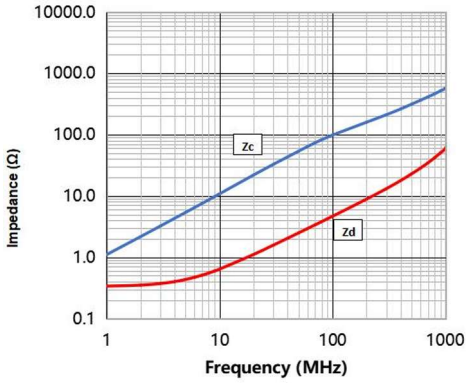
CKMW2012D500T



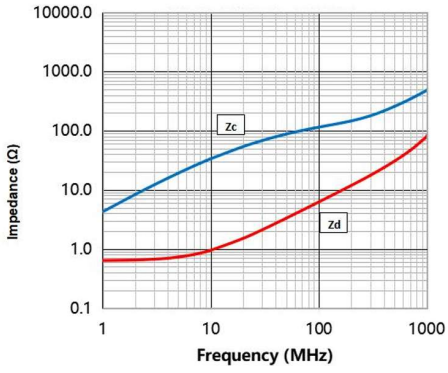
CKMW2012D670T



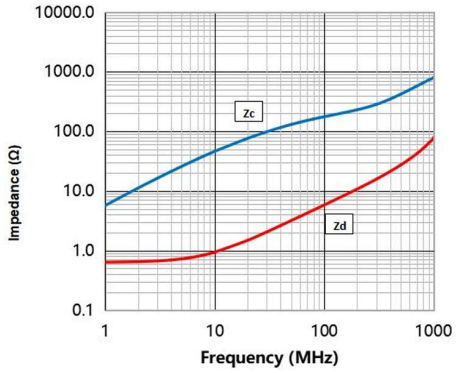
CKMW2012D900T



CKMW2012D121T



CKMW2012D180T

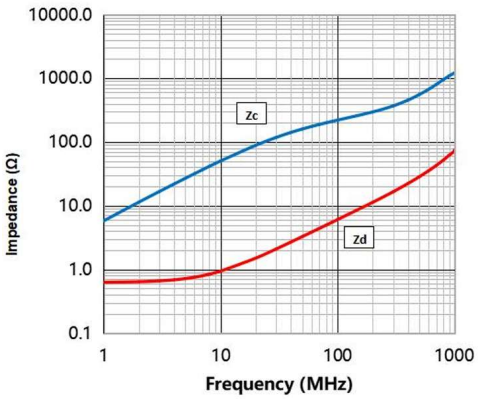


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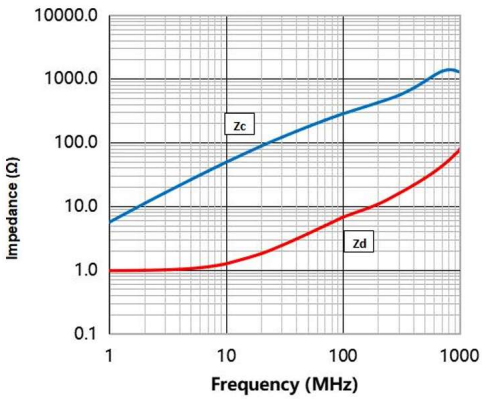
CUSTOMER	0	REVISION NO.	A
CUSTOMER'S P/N	0	PAGE	P 4/10
DESCRIPTION.	SMD WIRE WOUND TYPE COMMON MODE FILTER	DRAWN NO.	0
PART NO.	CKMW2012D Series	DATE	2026/7/26

3.CURVE FREQUENCY

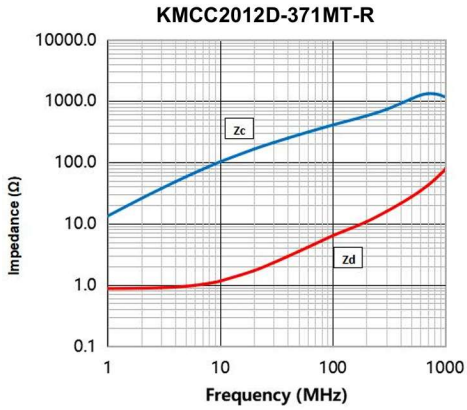
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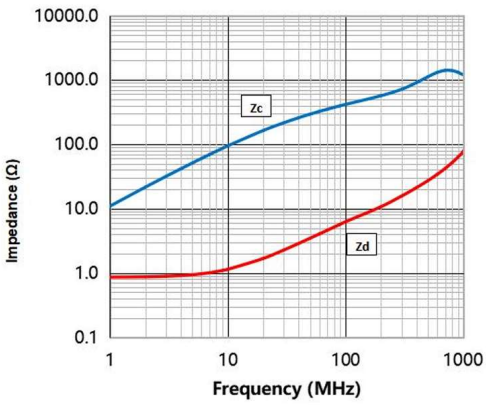
CKMW2012D261T



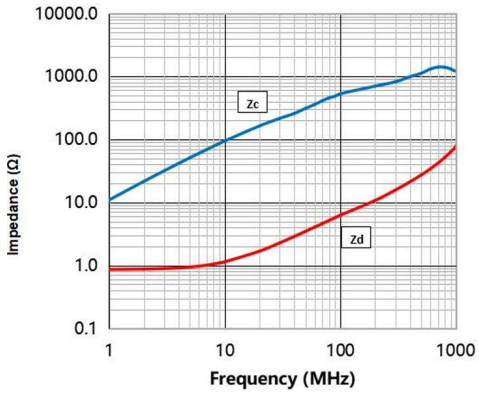
CKMW2012D371T



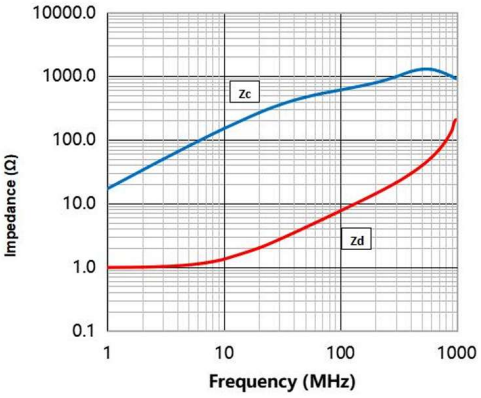
CKMW2012D401T



CKMW2012D501T



CKMW2012D601T

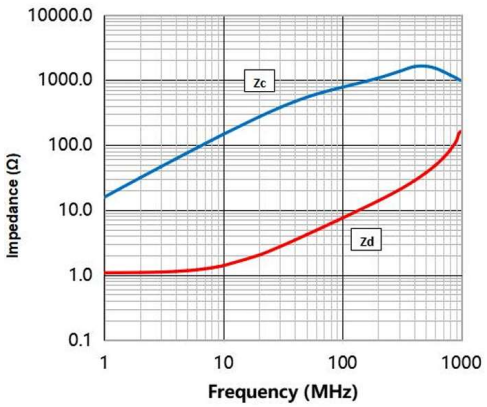


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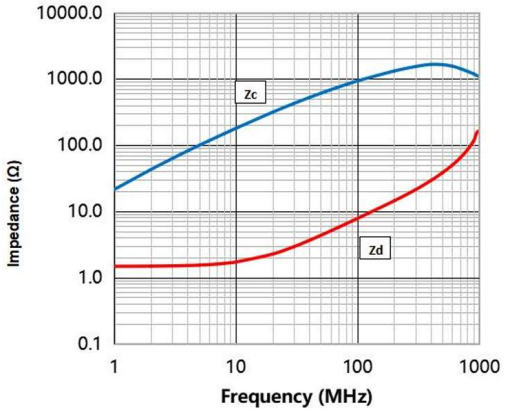
CUSTOMER	0	REVISION NO.	A
CUSTOMER'S P/N	0	PAGE	P 5/10
DESCRIPTION.	SMD WIRE WOUND TYPE COMMON MODE FILTER	DRAWN NO.	0
PART NO.	CKMW2012D Series	DATE	2026/7/26

3.CURVE FREQUENCY

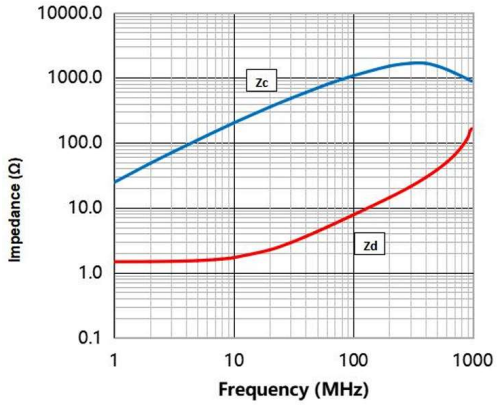
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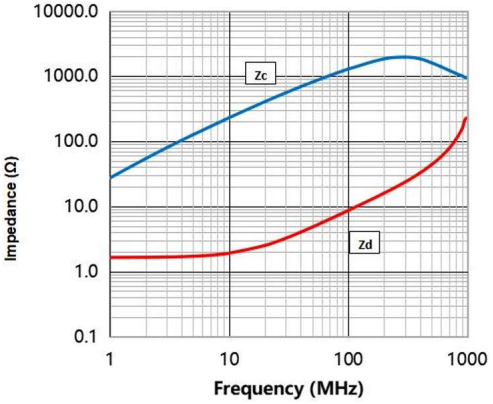
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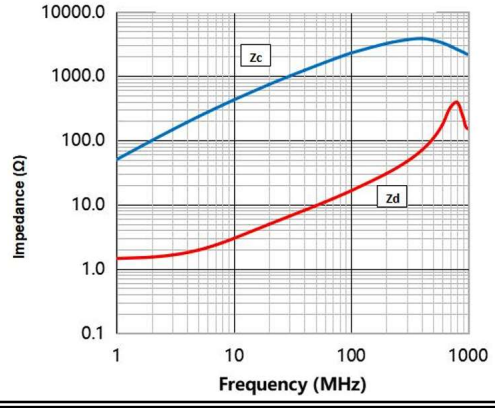
CKMW2012D102T



CKMW2012D122T



CKMW2012D222T



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CUSTOMER'S P/N	0	PAGE	P 6/10
DESCRIPTION.	SMD WIRE WOUND TYPE COMMON MODE FILTER	DRAWN NO.	0
PART NO.	CKMW2012D Series	DATE	2026/7/26

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℃

◆TEST CONDITION

ITEM	TEST INSTRUMENTS
Impedance	Agilent-4291A+Agilent-16197A
DCR	Agilent-4338B
I.R.	Agilent-4339

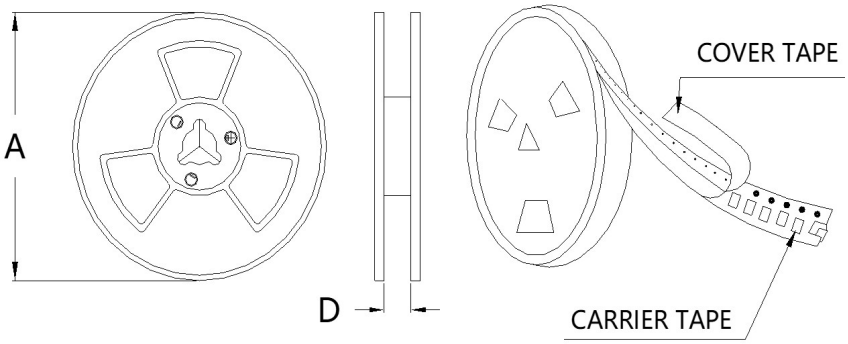
APPROVED BY	CHECKED BY	DRAWN BY
梁智坤	黄大燕	赵龙宇

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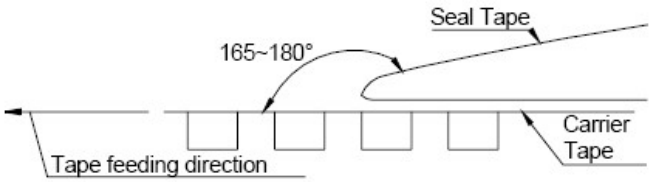
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CUSTOMER'S P/N	0	PAGE	P 7/10
DESCRIPTION.	SMD WIRE WOUND TYPE COMMON MODE FILTER	DRAWN NO.	0
PART NO.	CKMW2012D Series	DATE	2026/7/26

4.PACKAGING(unit: mm)

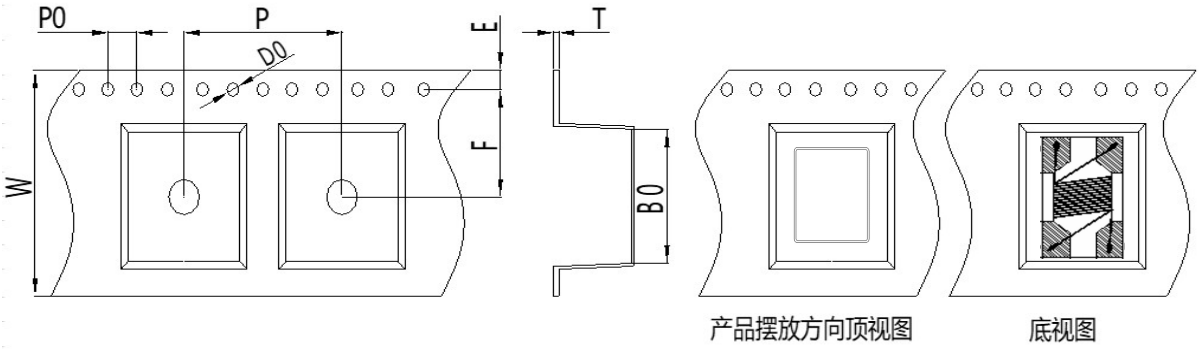
1.包装类型 **2.包装尺寸** □ 13″ 盘 ■ 7″ 盘



	13″ 盘	7″ 盘
A	Φ330±2.0	Φ178±2.0
D	9	



Peel-off strength:10～100gf.
Peel-off angle:165°-180°
Peel-off speed:300mm/min.



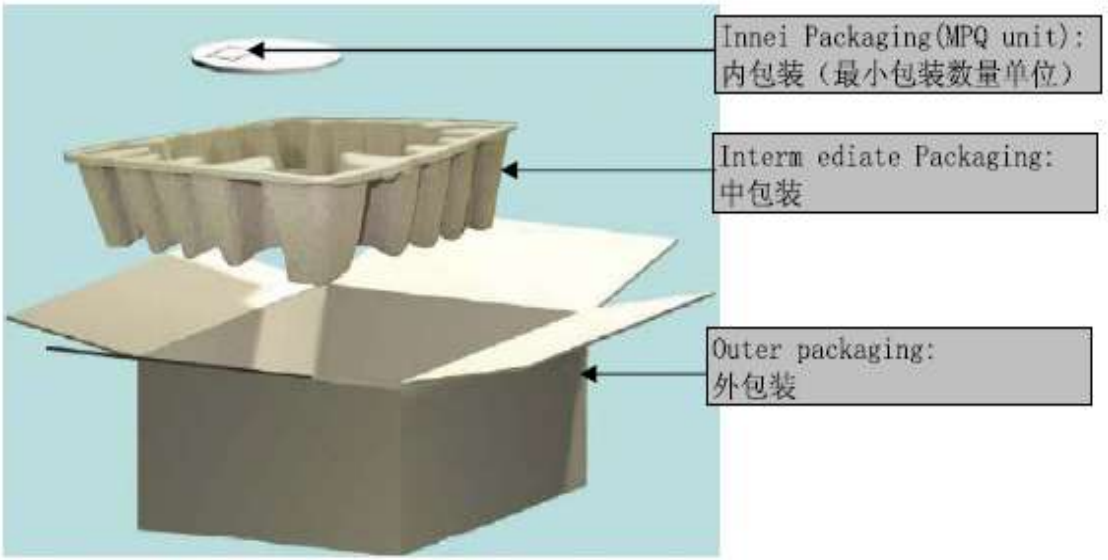
Item	W	B0	P	T	E	F	D0	P0		
DIM(mm)	8.0±0.3	1.25±0.15	4.0±0.1	0.22±0.05	1.75±0.1	3.5±0.1	1.5±0.1	4.0±0.1		

APPROVED BY	CHECKED BY	DRAFT
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CUSTOMER'S P/N	0	PAGE	P 8/10
DESCRIPTION.	SMD WIRE WOUND TYPE COMMON MODE FILTER	DRAWN NO.	0
PART NO.	CKMW2012D Series	DATE	2026/7/26

5. CARTON



7寸盘包装

1.1 外箱: 40*40.*17 cm 一纸托装一箱

1.2 内箱: CAG002(装7寸卷盘TRAY盘)

1.3 外箱材質: A三A

1.4 内箱材質: A=A

1.5 每10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:70mm　宽度:40mm

(如: 客户有特殊要求时，则依客户要求实施.)

卷轴包装数量		
每卷	2000	PCS

内箱包装数量				
每箱	5	卷,共	10000	PCS

外箱包装数量				
每箱	50	卷,共	100000	PCS

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CUSTOMER'S P/N	0	PAGE	P 9/10
DESCRIPTION.	SMD WIRE WOUND TYPE COMMON MODE FILTER	DRAWN NO.	0
PART NO.	CKMW2012D Series	DATE	2026/7/26

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 ±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±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 ±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 ±20% of the initial value.

CUSTOMER	0	REVISION NO.	A
CUSTOMER'S P/N	0	PAGE	P 10/10
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PART NO.	CKMW2012D Series	DATE	2026/7/26

7. SOLDERING CONDITIONS

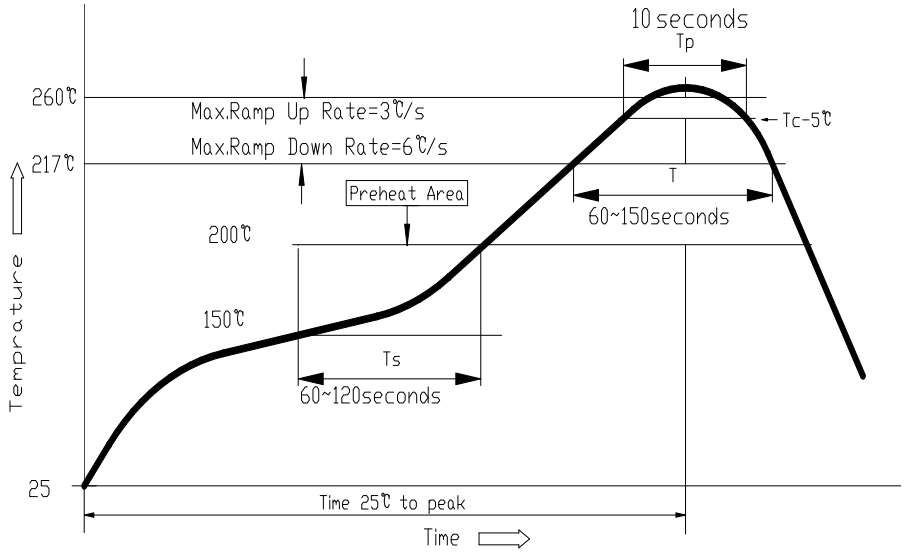
Applicable soldering process to the products is refl.

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 solding iron must preheating at 150℃ 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℃;

② Soldering iron power output:≤30W;

③ Diameter of soldering iron end:≤1.0mm;

④Soldering time:＜3 s

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