承 认 书
SPECIFICATION FOR APPROVAL

客 户 名 称: Customer	
客 户 料 号: Customer P/N	
客 户 型 号: Customer Model	
制 作 日 期: Date Code	2025-08-20
厂 商 名 称: Manufacturer	深圳市思博磁性元件有限公司
厂 商 型 号: Customer P/N	CMLW8040S2R2NST
版 本: R E V	A0

供 应 商 审 核 Confirmed By Ourself			客户承认 Approved by Customer		
制作者 Producer	审核 Checked	批准 Approved	测试 TEST	审核 Checked	批准 Approved
Allen	Billy	Derek			
日期	2025-08-20		日期		

备 注： Remark

1. 在使用产品前，用户必须确认此产品是否适用于自身设计，思博仅保证产品符合此份承认书的规格。
   Before use, customer should confirm whether this product is suitable for their design, Cybermax only ensure products meet this specification.
2. 本承认书的数据更改，必须经双方确认，任何一方单独修改无效。
   This specification data change must be confirmed by both parties, any individual modification is invalid.
3. 如客户未回签承认书即下订单，则视为承认此份承认书。
   If customer placed orders without signing back this specification, it is regarded as recognition.

VERSION 版本	Change project 变更项目	Pre change content 变更前内容	Revised content 变更后内容	Change date 变更日期
A0	CMLW8040S2R2NST	—	—	2025-08-20

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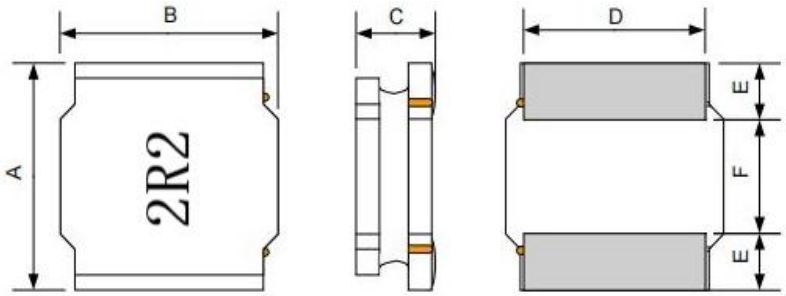
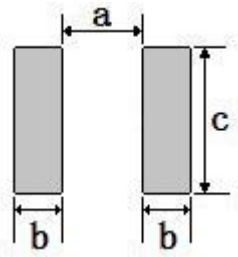
SHAPE & DIMENSION (UNIT:mm)



A	8.0±0.3
B	8.0±0.3
C	4.2 Max
D	6.3±0.3
E	2.0±0.3
F	4.0±0.3

PAD LAYOUT(MM):



a Typ.	3.8
b Typ.	2.2
c Typ.	7.5

ELECREICAL SCHEMATIC:

ELECREICAL SPECIFICATION

MEAS. ITEM	SPEC.				TEST FREQ.	CONDITIONS
L	2.2	μH	±	30%	100KHz/1V	Ta=25℃
DCR	12.0	mΩ	±	30%		Ta=25℃
Isat	7.1	A	Max.		100KHz/1V	△L/L≦30%
Irms	5.15	A	Max.		100KHz/1V	△T≤40℃

GENERAL SPECIFICATION

Electrical specifications ：	at 25℃
Operation Tempperature：	-40~+125℃
Storage Temperature：	-40℃ ~+85℃ and RH 70% (Max.)

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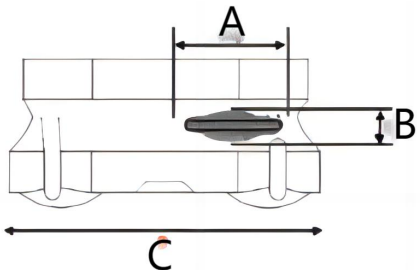
Appearance of the standard

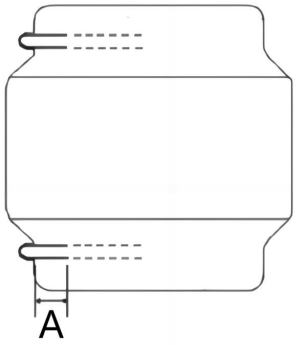
1.Void appearance tolerance limit



Size of voids occurring to coating resin is specified below.
①Width direction(dimension A):
②Length direction(dimension B):Dimension b is not specified
③When total area of voids (including one exposing coil) occurring to each sides is not greater than 50% of coating resin area,that is acceptable.

2.External appearance criterion for exposed w

Exposed end of the winding wire at the secondary side should be 1.25mm and below.



Exposed end of the winding wire at the secondary side should be 1.25mm and below.
①Acceptable when A<=0.3mm
②Nonconforming when A>0.3mm

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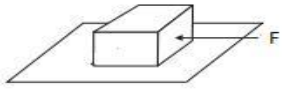
RELIABILITY TEST

TEST ITEM	SPECIFICATION	TEST CONDITION
High temperature Storage test	1. No significant defects in appearance. 2. Δ L/L≦10% 3. Δ DCR/DCR≦10%	Temperature:12℃±5℃(N: Follow theproduct specification for the setting.) Time : 96±2 hours Place the samples for one hour at room temperature and test them within two hours
Low temperature Storage test	1. No significant defects in appearance. 2. Δ L/L≦10% 3. Δ DCR/DCR≦10%	Temperature: -40℃±5℃ (M: Follow the product specification for the setting) Time : 96±2 hours Place the samples for one hour at room temperature and test them within two hours.
Humidity test	1. No significant defects in appearance. 2. Δ L/L≦10% 3. Δ DCR/DCR≦10%	Temperature: 40±2℃ , Humidity: 93±3%RH Time : 96±2 hours Place the samples for one hour at room temperature and test them within two hours
Solderability test	Terminals must have 95% minimum solder coverage	1.Dip pads in flux then dip in solder pot at 245±5°C for 5 second. 2.Solder: lead free 3.Flux: rosin flux
Heat endurance of flow soldering	1. No significant defects in appearance. 2. Δ L/L≦10% 3. Δ DCR/DCR≦10%	1.Refer to the above reflow curve and go through the reflow for twice. 2.The peak temperature : 260+0/-5℃
Vibration test	1. No significant defects in appearance. 2.No short and no open.	Apply frequency 10~55~10Hz and amplitude 1.5mm, 1 min/cycle in X Y and Z direction for 2 hours each. (total 6 hours)
Terminal strength push test	1. Applied force:10N Duration: 10sec 2.Solder paste thickness:0.12mm 3.Meet the above requirements without any loose termina	older the test samples to the PCB through245 ℃ reflow, apply a standard force on the side of the test samples for 10 seconds. 

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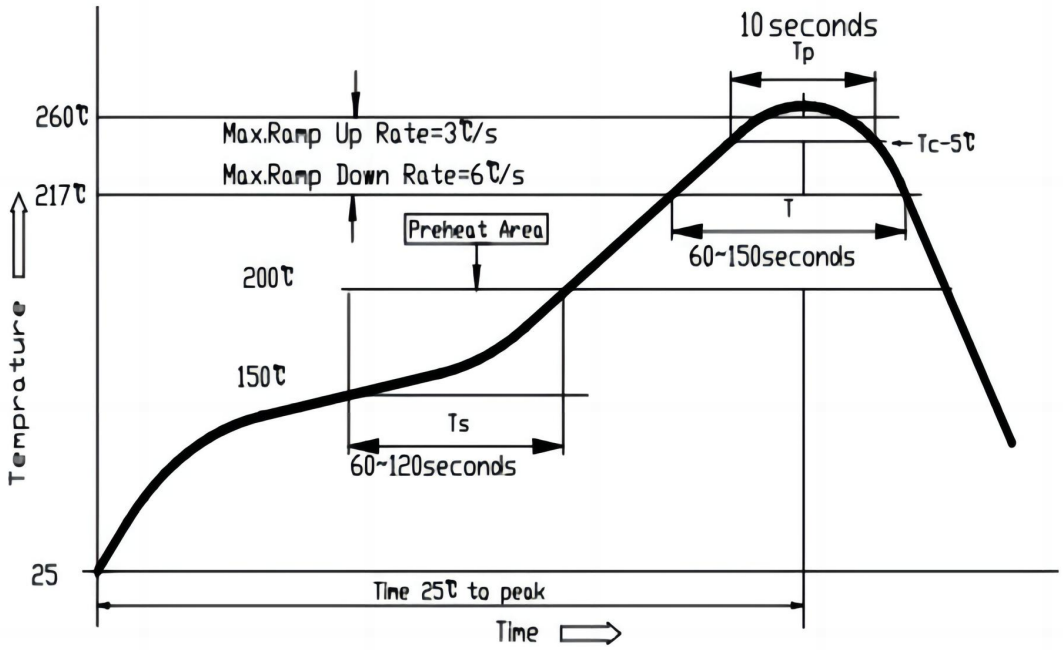
SOLDERING CONDITIONS

Applicable soldering process to the products is refl.

1. 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

2.Reflow Soldering Profile



3.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

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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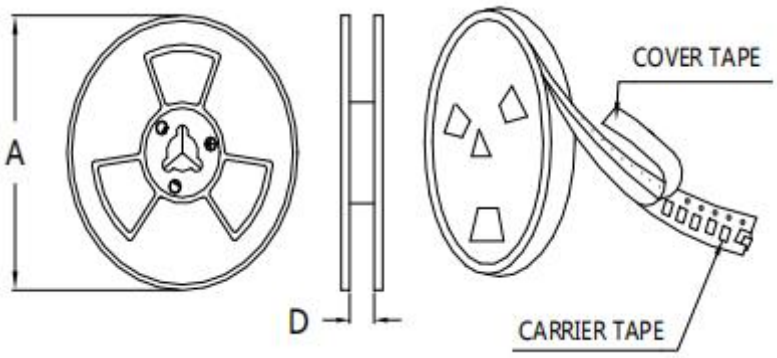
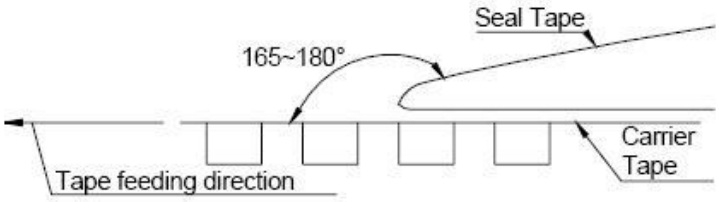
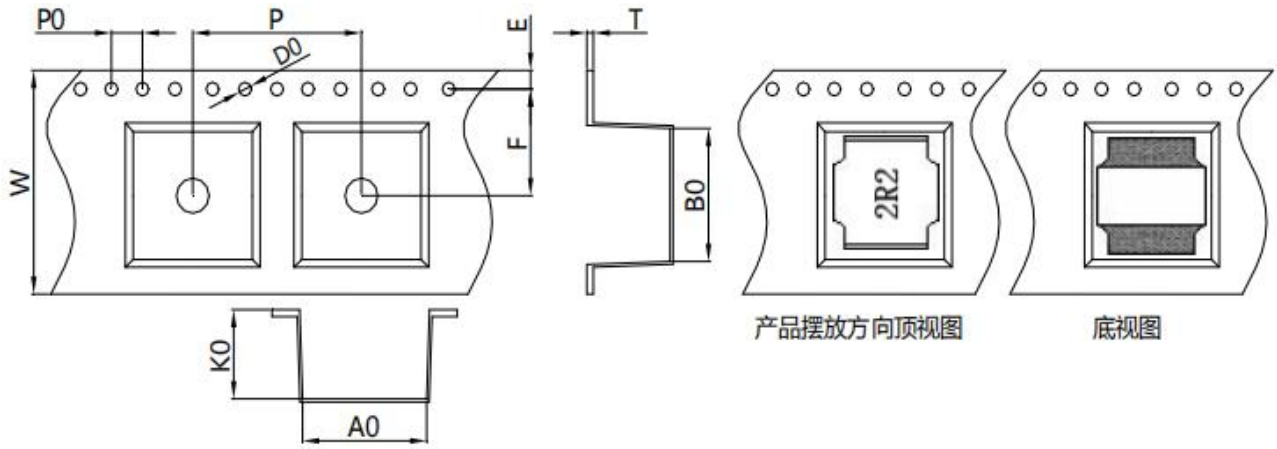
PACKAGING



A	Φ330±2.0
D	16.5



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



W	A0	B0	K0	P	T	E	F	D0	P0
16.0 ±0.3	8.4 ±0.2	8.4 ±0.2	4.2 ±0.2	12.0 ±0.3	0.30 ±0.1	1.75 ±0.1	7.5 ±0.1	1.5 ±0.1	4.0 ±0.2

Standard Packing Quantity： 1000 pcs/reel

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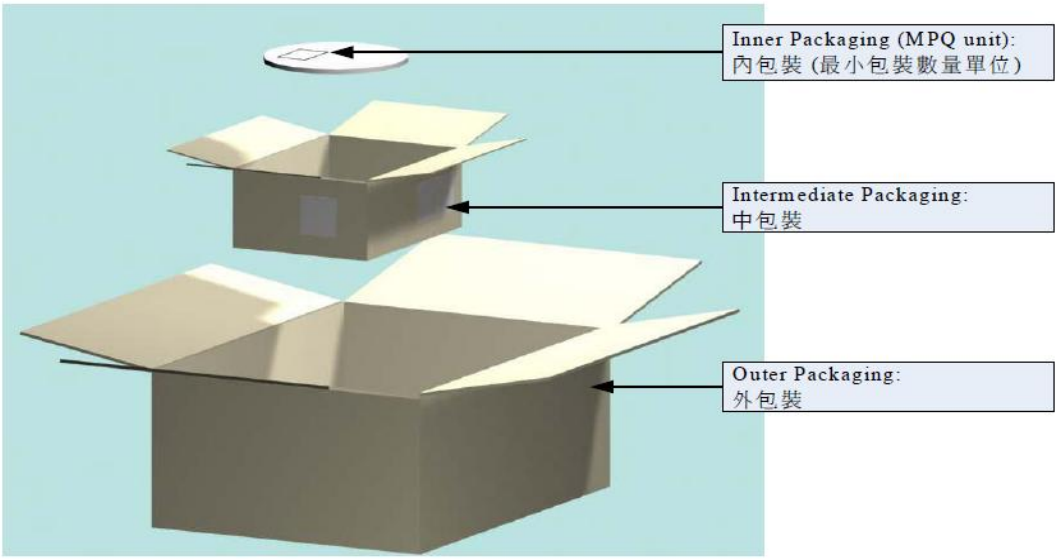

1.1 外箱: 36*36*23 cm 一箱裝 2 內箱
1.2 內箱:33.5*33.5*9 cm 一箱裝 5 卷制品
1.3 外箱材質: A 三 B
1.4 內箱材質: B=B
1.5 每一卷制品用一只静电袋包装
1.6 每一静电袋内放一只袋干燥剂
1.7 每一卷上面依标签样式的要求贴上标签明细
1.8 出货内外箱贴上该箱内实际内容明细

1.9 出货标签规格如下: 尺寸=长度:39mm 宽度:29mm

(如: 客戶有特殊要求時, 則依客戶要求實施.)

备注：如果捆包数量小于内箱捆包数量时就用内箱包装