

RoHS

承認書

APPROVAL SHEET

客戶名稱

CUSTOMER

客戶料號

CUSTOMER P/N

品名/規格

DESCRIPTION

SMD Power Inductors

UT5040N-2R2M

登壹料號

MINGSTAR P/N

305-70519

登壹送樣編號

MINGSTAR DWG#

M15-11077

1.產地:中國廣東省開平市

2.單體淨重:0.35g

簽認印/STAMP

DATE OF APPROVAL



登壹企業股份有限公司

MINGSTAR ELECTRONIC CORP.

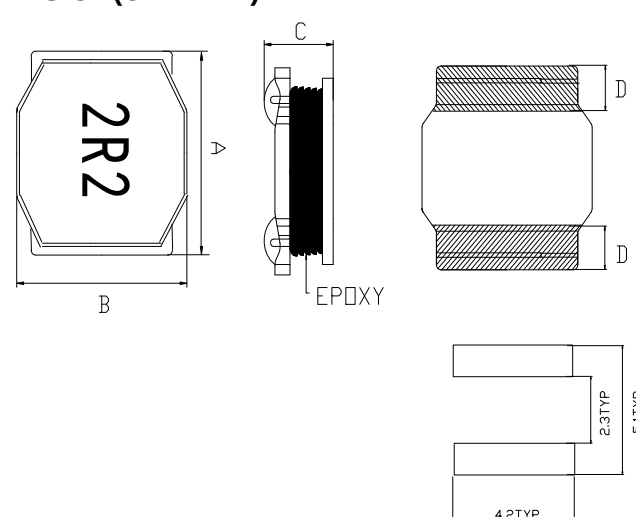
SALES	CHECKED& APPROVAL	DESIGNED BY	ISSUED BY
陳金龍	Simon	辛海峰	張小萍

DATE OF SAMPLING 2015/12/10

SPECIFICATION FOR APPROVAL

CUSTOMER		CUST P/N.	
ITEM	SMD Power Inductors	Description	UT5040N-2R2M
PART NO.	305-70519	DATE	2015.12.10

(1) DIMENSION(UNIT:mm)



The drawing shows three views of the component: a top view with dimensions A and B and a marking of 2R2; a side view showing the height C and the epoxy coating; and an end view showing the diameter D. Below the end view, there are two small detail drawings of the mounting pads with dimensions 2.3TYP, 5.1TYP, and 4.2TYP.

A	5.0±0.2	mm
B	5.0±0.2	mm
C	4.2MAX	mm
D	2.0TYP	mm
		mm
		mm
		mm
		mm

(2) ELECTRICAL REQUIREMENTS

TEST CONDITION	FREQUENCY	VOLTAGE	(3) TEST INSTRUMENTS
L	2.2μH±20%	100KHz 1V	HP-4291A
			V WK3260B
DCR	25mΩ±30%	KHz V	DC RESISTANCE METER:
			V WK3260B
Isat	3.7A Based on inductance change(ΔL/L0: ≤30%)	100KHz 1V	CURRENT SOURCE:
			V TH2816B+1320
Irms	3.3A MAX(温升为40℃ MAX)	100KHz 1V	CURRENT SOURCE:
			V TH2816B+1320

(4) TURN:Ts(REF)

(5) MATERIAL LIST

ITEM	MATERIAL	DESCRIPTION
1	CORE	N251H SDR 5.0-3.8-2.5-2.05S-P3
2	WIRE	G1-HØ0.32mm*8.5Ts
3	EPOXY	DA-1001BK
4	SOLDER	PF629-B
5	INK	BLACK

REMARK:	APPROVED	CHECKED	DRAWN BY
	Simon	辛海峰	張小萍

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TEST DATA FOR PREPRODUCTION SAMPLES																		
CUSTOMER:	0			Part No.			305-70519			Test Q'ty:			30			PCS		
CUST P/N.				Description:			UT5040N-2R2M			Date:			2015.12.10					
MEASURE ITEM	L (μH)			DCR (mΩ)			A (mm)			B (mm)			C (mm)					
SPECIFIC	2.2			25.0			5.0			5.0			4.2					
SUGGEST	±20%			±30%			±0.2			±0.2			Max					
1	2.16	2.12	2.13	24.80	22.75	23.70	5.01	5.02	5.04	4.99	4.98	4.97	3.83	3.87	3.82			
2	2.13	2.16	2.13	22.50	23.10	23.42	5.00	5.03	5.06	5.00	4.97	5.02	3.84	3.86	3.83			
3	2.16	2.15	2.16	23.40	22.95	24.80	5.04	4.96	5.04	5.03	4.98	4.98	3.84	3.86	3.83			
4	2.12	2.13	2.18	22.19	22.86	22.50	5.03	4.98	4.98	5.03	5.00	4.96	3.83	3.85	3.85			
5	2.15	2.12	2.19	22.75	23.70	23.40	5.02	5.02	4.98	4.99	5.00	5.00	3.82	3.84	3.90			
6	2.18	2.16	2.16	23.10	23.42	22.19	4.98	5.03	4.97	4.97	5.00	5.04	3.82	3.82	3.82			
7	2.18	2.18	2.12	22.95	22.50	22.75	4.99	4.96	5.07	4.96	5.00	5.03	3.83	3.85	3.86			
8	2.18	2.18	2.13	22.86	24.80	23.10	5.02	5.02	5.06	5.07	4.98	5.00	3.90	3.82	3.82			
9	2.16	2.19	2.12	23.70	23.40	22.95	5.02	5.02	5.04	5.02	4.97	5.00	3.89	3.82	3.87			
10	2.19	2.12	2.12	23.42	22.19	22.86	5.00	5.06	5.03	4.98	5.03	5.00	3.88	3.86	3.81			
CPK	6.50																	
TEST CONDITION	INSTRUMENTS:			TH2816B+1320									AT:		100KHz		1V	
	ENVIRONMENT:			TEMP:25 degree HUMDITY :65%														
	STORAGE TEMPERATURE RANGE									-40℃~+125℃								
	OPERATING TEMPERATURE RANGE									-40℃~+125℃								
REMARK:												APPROVED		CHECKED		DRAWN BY		
												Simon		辛海峰		張小萍		

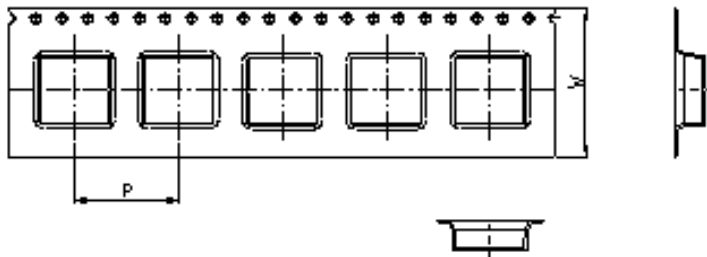
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PACKING FOR SMD

CUSTOMER	0	CUST P/N.	
ITEM	SMD Power Inductors	Description	UT5040N-2R2M
Part No.	305-70519	DATE	2015.12.10

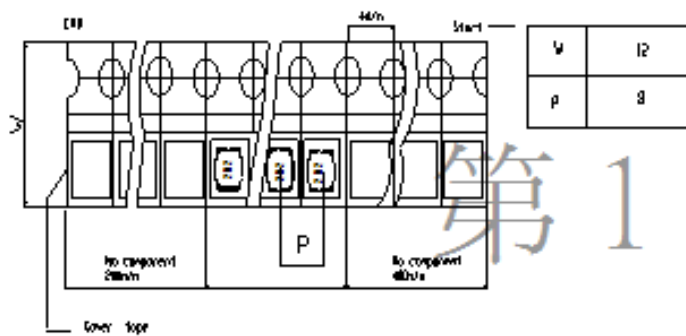
PACKAGING

1 CARRIER TAPE DIMENSIONS (mm)



Unreeling
Direction

2 TAPING DIMENSIONS (mm)



第 1 頁



备注：产品编好带后，卷盘的最外层为400mmMIN,最里层为200mmMIN.

3 REEL DIMENSIONS (mm)



4 QUANTITY

1500pcs/Reel 6000pcs/箱 12000pcs/箱

APPROVED: Simon

CHECKED 辛海峰

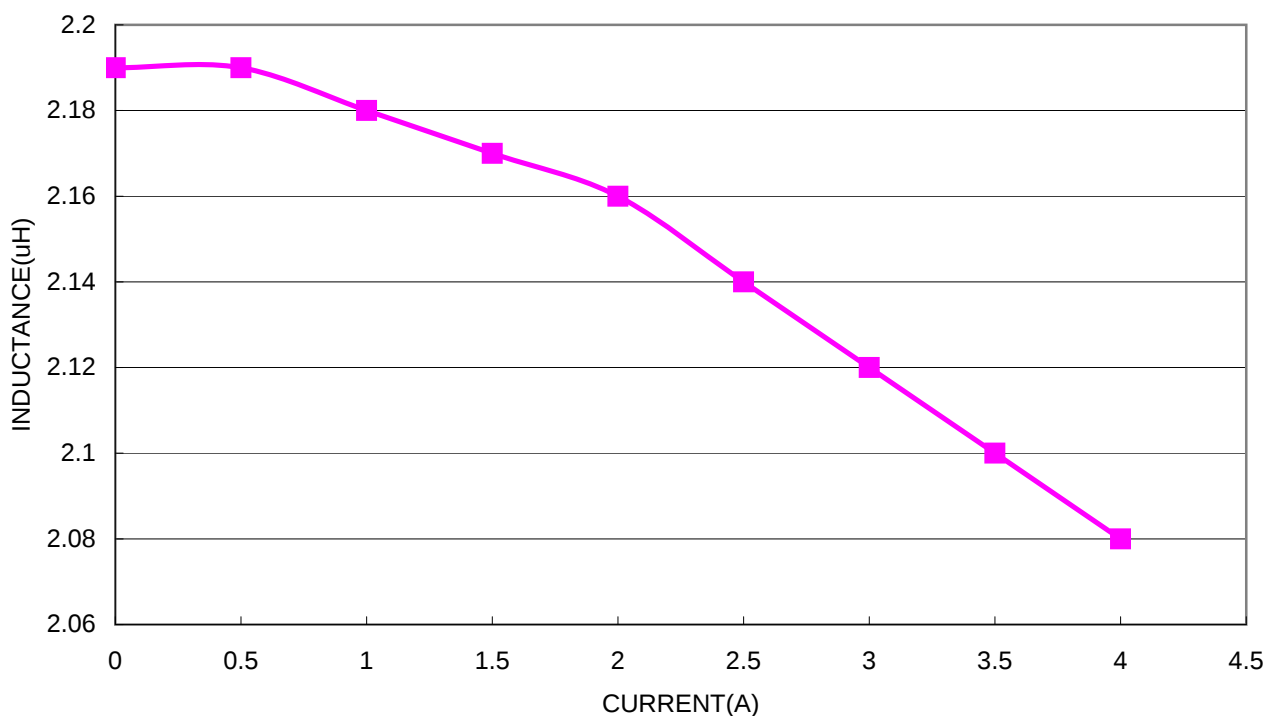
DRAWN BY: 張小萍

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GRAPH

CUSTOMER:	0	Part No.	305-70519	Test Q'ty:	9	PCS
CUST P/N.		Description:	UT5040N-2R2M	Date:	2015.12.10	

CURRENT VS INDUCTANCE



TEST CONDITION	INSTRUMENTS:	TH2816B+1320	AT:	100KHz	1V
	ENVIRONMENT:	TEMP:25 degree HUMIDITY :65%			
REMARK:			APPROVED	CHECKED	DRAWN BY
			Simon	辛海峰	張小萍

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