

SPECIFICATION FOR APPROVAL

客户名称： 商联

客户品名：

版 本： REV1.0

文盛品名：YTA0520-R68M

编 号： YP1909157

日 期： 2019.9.12

客户承认签章

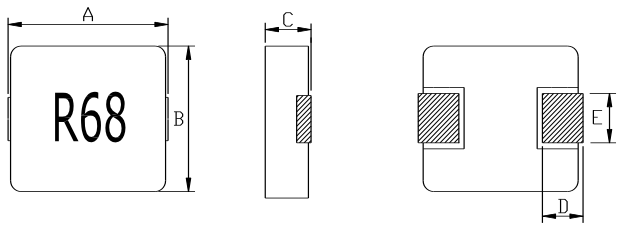
批准	检查	制作
李伟	李伟	支张娟

淮安市文盛电子有限公司
江苏省淮安市淮安区工业园区藏军洞路53号
TEL: 0517-8589 9656 FAX: 0517-8589 9328
E-mail:zf@hawensheng.com

淮安市文盛电子有限公司

客户	商联	客户品名	
编号	YP1909157	日期	2019.9.12

一. 产品图示和机械尺寸

	UNIT:mm	
	A	5.4±0.35
	B	5.2±0.2
	C	1.8±0.2
	D	1.2±0.2
	E	2.2±0.3

二. 电器特性

特性	规格	单位	公差	测试条件	测试仪器
L	0.68	uH	±20%	100KHZ/1V	Chroma3302/11050
DCR	18	mΩ	Max		Chroma16502
Isat	11.5A (TYP)			100KHZ/1V	Chroma3302+1320
Irms	8.9A (TYP)				

*Isat: DC current (A) that will cause L0 to drop approximately 30%

*Irms : DC current (A) that will cause an temperature rise ΔT approximate to 40°C

*All test data is referenced to 25°C ambient

*Absolute maximum voltage 30VDC

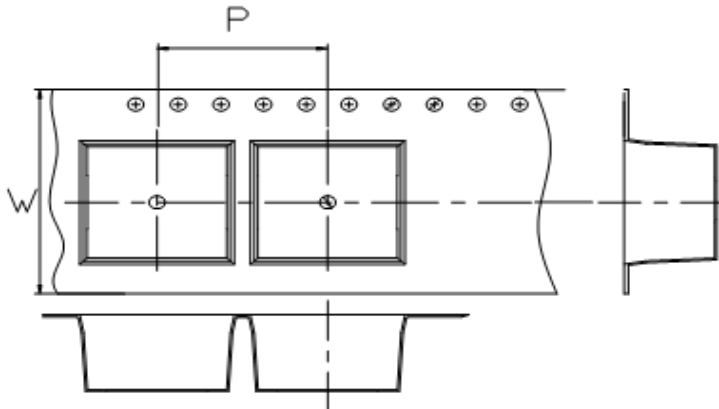
三、物料清单

NO.	名称	规格	供应商	备注
1	BASE	LF-B05*5 (T0.15)	AI QUAN Or Equal	
2	WIRE	/	TOTOKU Or Equal	UL(E339330)220°C
3	CORE	/	TAI PING YANG Or Equal	
4	MARKING	BLACK	RI LI Or Equal	
5	COVER TAPE	9.3mm	XX Or Equal	透明、热封
6	CARRIER TAPE	YT0520-W12P8-TC	XX Or Equal	透明（有孔）

淮安市文盛电子有限公司

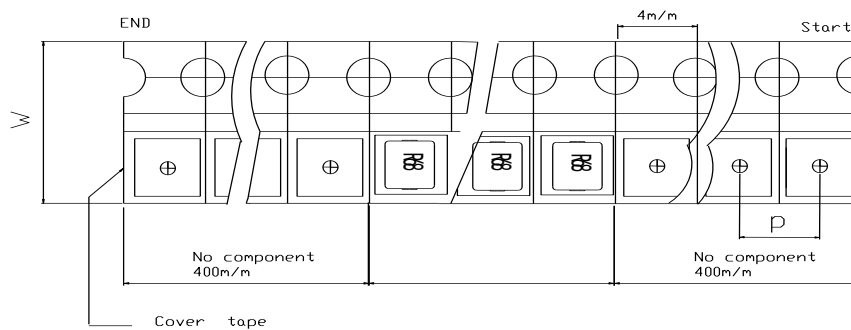
四. PACKAGING

1 CARRIER TAPE DIMENSIONS (mm)



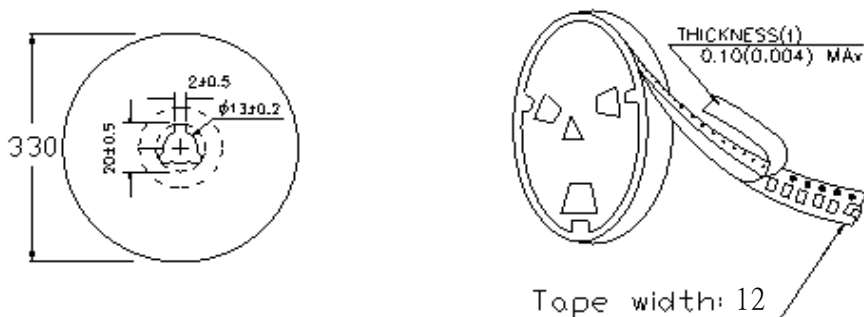
W	12
P	8

2 TAPING DIMENSIONS (mm)



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

3 REEL DIMENSIONS (mm)

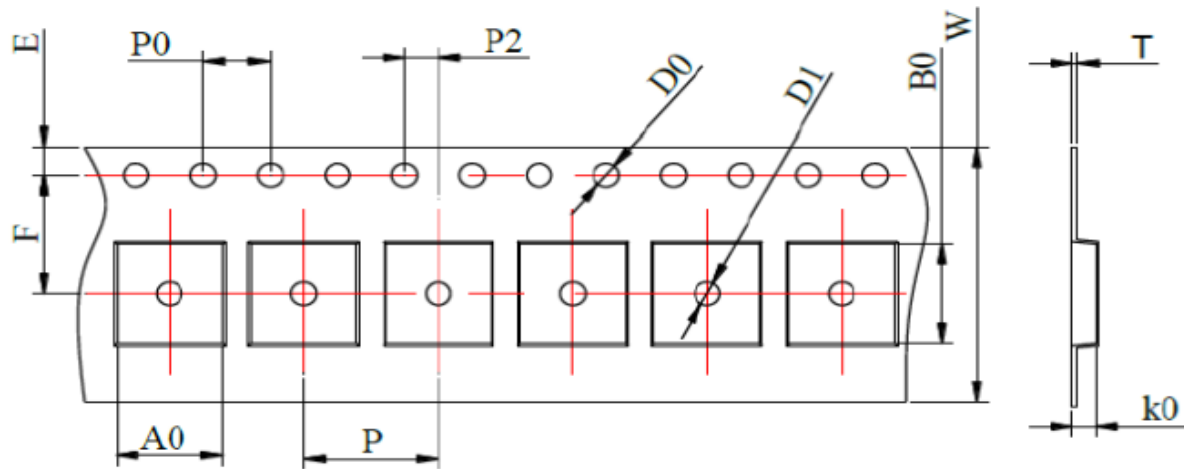


4 QUANTITY

2000PCS/Reel

淮安市文盛电子有限公司

载带全尺寸图



Type	Tape dimensions (mm)											
	W	P	P0	P2	D0	D1	T	A0	B0	K0	E	F
YTA0520	12 ±0.3	8 ±0.1	4 ±0.1	2 ±0.1	1.5 ±0.1	1.5 ±0.1	0.3 ±0.05	5.4 ±0.1	5.9 ±0.1	2.2 ±0.1	1.75 ±0.1	5.5 ±0.1

淮安市文盛电子有限公司

Mechanical Reliability																	
TEST ITEM	SPECIFICATION	TEST DETAILS															
Mechanical shock	1. No case deformation or change in appearance 2. $\Delta L/L_0 \leq \pm 10\%$	1. Acceleration: 100G 2. Pulse time: 6ms 3. Direction: $\pm X \pm Y \pm Z$ 4. 3 times in each positive and negative direction of 3 mutual perpendicular directions															
Mechanical vibration	1. No case deformation or change in appearance 2. $\Delta L/L_0 \leq \pm 10\%$	1. Reflow: 2 times 2. Frequency: 10HZ~55HZ~10HZ, 20 Min/Cycles 3. Amplitude: 1.52 mm 4. Directions: X,Y,Z 5. Time: 12 cycle / direction															
Solderability	1. No case deformation or change in appearance 2. New solder coverage More than 95%	1、Preheat: $155^{\circ}\text{C} \pm 5^{\circ}\text{C}$, 60S \pm 2S 2、Tin: lead-free. 3、Temperature: $240^{\circ}\text{C} \pm 5^{\circ}\text{C}$, flux 3.0S \pm 0.5S.															
Endurance Reliability																	
Thermal Shock	Inductance change: Within $\pm 10\%$ Without distinct damage in appearance	1. First -55°C for 30 minutes, last 125°C for 30 minutes as 1 cycle. Go through 1000 cycles. 2. Max transfer time is 3 minutes. 3. Measured at room temperature after placing for 24 \pm 2 hours															
		<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;"></th> <th style="width: 60%;">Temperature</th> <th style="width: 30%;">Duration</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td>$-55 \pm 2^{\circ}\text{C}$ (Thermostat No.1)</td> <td style="text-align: center;">30 min.</td> </tr> <tr> <td style="text-align: center;">2</td> <td>Standard atmospheric</td> <td style="text-align: center;">Within 3 minutes No.1→No.2</td> </tr> <tr> <td style="text-align: center;">3</td> <td>$125 \pm 2^{\circ}\text{C}$ (Thermostat No.2)</td> <td style="text-align: center;">30 min.</td> </tr> <tr> <td style="text-align: center;">4</td> <td>Standard atmospheric</td> <td style="text-align: center;">Within 3 minutes No.2→No.1</td> </tr> </tbody> </table>		Temperature	Duration	1	$-55 \pm 2^{\circ}\text{C}$ (Thermostat No.1)	30 min.	2	Standard atmospheric	Within 3 minutes No.1→No.2	3	$125 \pm 2^{\circ}\text{C}$ (Thermostat No.2)	30 min.	4	Standard atmospheric	Within 3 minutes No.2→No.1
			Temperature	Duration													
		1	$-55 \pm 2^{\circ}\text{C}$ (Thermostat No.1)	30 min.													
		2	Standard atmospheric	Within 3 minutes No.1→No.2													
3	$125 \pm 2^{\circ}\text{C}$ (Thermostat No.2)	30 min.															
4	Standard atmospheric	Within 3 minutes No.2→No.1															
1	$-55 \pm 2^{\circ}\text{C}$ (Thermostat No.1)	30 min.															
2	Standard atmospheric	Within 3 minutes No.1→No.2															
3	$125 \pm 2^{\circ}\text{C}$ (Thermostat No.2)	30 min.															
4	Standard atmospheric	Within 3 minutes No.2→No.1															
Humidity Resistance	Inductance change: Within $\pm 10\%$ Without distinct damage in appearance	1.Reflow 2 times, 2. 85°C ,85%RH,1000 hours 3.Measured at room temperature after placing for 24 \pm 2 hours															
Low temperature storage	Inductance change: Within $\pm 10\%$ Without distinct damage in appearance	1. Temperature: $-55 \pm 2^{\circ}\text{C}$ 2. Time: 1000 hours 3. Measured at room temperature after placing for 24 \pm 2 hours															
High temperature storage	Inductance change: Within $\pm 10\%$ Without distinct damage in appearance	1. Temperature: $+125 \pm 2^{\circ}\text{C}$ 2. Time: 1000 hours 3. Measured at room temperature after placing for 24 \pm 2 hours															