

客户
CUSTOMER

J179

承認書
SPECIFICATION FOR APPROVAL

客户品名
CUSTOMER NAME.

料号
PART NO.

本公司品名
OURS PART NAME. VE3516-470K

料号
PART NO. FIA03516-05

工程出图 ENGINEERING DRAWING		
發行 MADE	檢查 CHECKED	承認 APPROVED

日期
DATE: 2022年05月24日

承認印 CUSTOMER APPROVE		
采购	工程	品保

承认结果：请予以认证，提出修改意见或确认后签回，如未签回下订单，则是视为默认。
所签回的传真件及复印件均视为具有法律效力



深圳市千代源电子有限公司
SHEN ZHEN VOLUME SOURCE ELECTRONICS CO., LTD.

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承认书番号

SPEC NO. VE-J179-20220524001

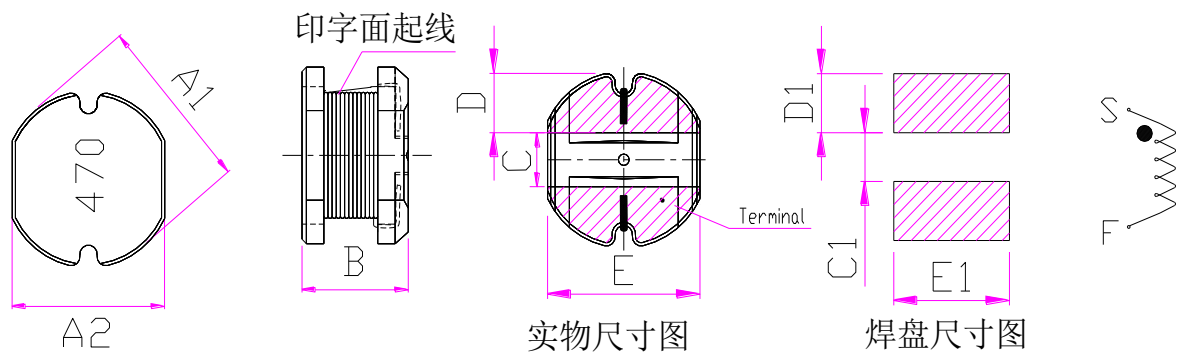
CUSTOMER (客户名称):	DESCRIPTION(品名):	VE3516-470K
CUSTOMER P/N (客户料号):	VOLUMESZ P/N (料号):	FIA03516-05

一. 产品尺寸图: (mm)

二. 电性原理图:

Dimension(mm)

Schematic



实物尺寸图

焊盘尺寸图

注:1.产品居中印字,方向如上图,印字大小尺寸:长1.8mm宽1.3mm(客户特殊要求除外)。

2.起线位置,从印字面起线,绕完后挂脚

A1	A2	B	C	D	E	C1	D1	E1
3.5±0.3	3.0±0.3	1.6±0.3	1.0±0.2	1.2±0.3	3.0±0.3	1.0±0.2	1.7±0.1	3.5±0.1

三. 绕组结构

WINDING

WINDING	START	FINISH	WIRE(φ)	COLORE	TURNS	REMARK
N1	S	F	2UEWφ 0.08X1P		47.5(REF)	

四. 产品电气特性

Electrical Characteristics

序号 (NO)	项目 (Item)	单位 (Unit)	电性要求 (Power requirements)	测试条件 (Test Condition)	环境温度湿度 Temp/Humidity
1	L0A (S-F)	uH	47±10%	1KHZ 0.25V	25°C/70%
2	IDC: 0.3A (S-F)	uH	≥L0AX80%		25°C/70%
3	DCR (S-F)	Ω	1.80MAX		25°C/70%

五. 产品物料

Material

序号	项目	规格型号	耐温	供应商代码	备注
1	磁芯	VE3516		C014	
2	铜线	2-UEW 黄色	H级:180°C	Q094	
3	锡条	601 无铅高温锡条(Sn:99.5)		A017	
4	印油	1300 710 黑 (无卤)		A007/D025	
5	助焊剂	XD-982D		A006	

APPROVALS

DATE

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ELECTRONICS CO., LTD.

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卢永汉

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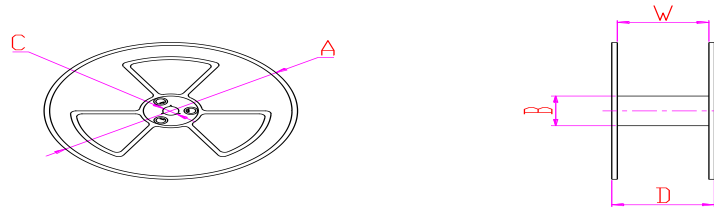
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六. 包装方式

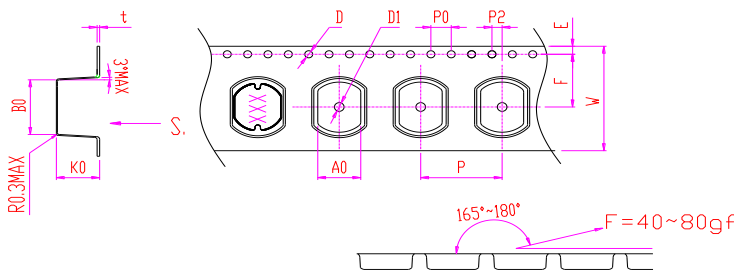
1. 每卷轴包装数量:4000PCS/R (开始与结尾留空 30~40PCS 不装产品), 贴上正确的标签,然后放入一塑料袋(胶袋尺寸:480x460mm)内,附一包干燥剂,封口,卷轴及载带尺寸.如图(一)

图(一)



卷轮尺寸 (REEL DIMENSIONS) 一般公差±0.5mm

A	B	C	W	D
Φ 330	Φ 100	Φ 13.5	12.5	18.5

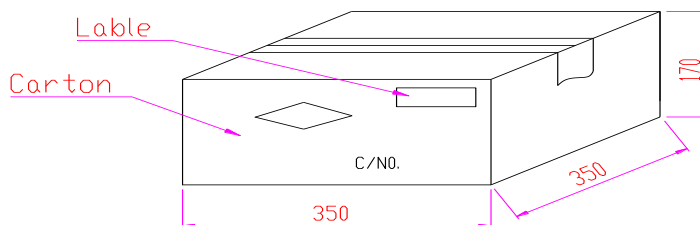


载带尺寸(TAPE DIMENSIONS)一般公差为±0.2mm

W	A0	B0	K0	P	F	E	D	D1	P0	P2	t
12.00	3.35	3.85	1.90	8.00	5.50	1.75	1.50	1.50	4.00	2.00	0.30

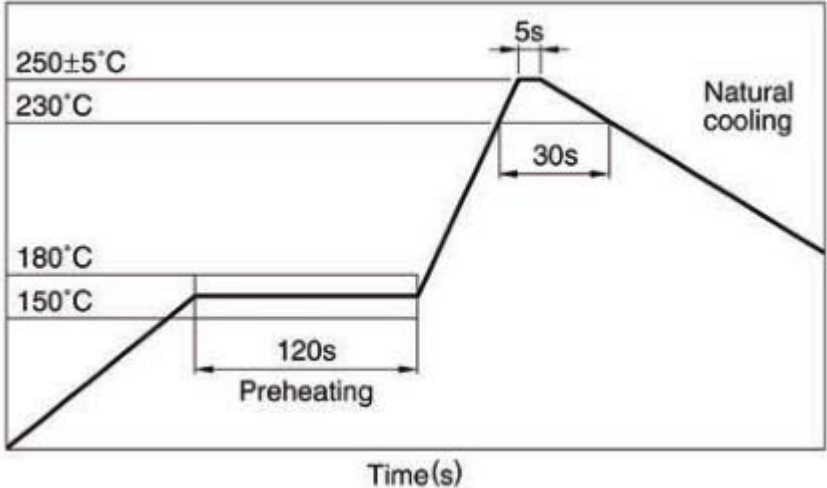
2.每啤盒装 16000PCS(4 卷).(啤盒尺寸:338x338x78mm)

3.每箱装 48000PCS(3 盒),封口,贴上标签,纸箱形状尺寸.如图(二).



图(二)

深圳市千代源电子有限公司 SHEN ZHEN VOLUME SOURCE ELECTRONICS CO., LTD.	APPROVALS		DATE		
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CUSTOMER (客户名称):	DESCRIPTION(品名):	VE3516-470K															
CUSTOMER P/N (客户料号):	VOLUMESZ P/N (料号):	FIA03516-05															
1. STORAGE TEMPERATURE	-5°C~+30°C (相对湿度: 20%-75%)																
2. OPERATING TEMPERATURE RANGE	-40°C~+105°C (CONTAIN HEATING COIL)																
3. RECOMMENDED SOLDERING CONDITIONS	REFLOW SOLDERINGS 																
4. HIGH TEMPERATURE LIFE TEST	PERFORMANCE: APPEARANCE: NO DAMAGE. INDUCTANCE: WITHIN ±20% OF INITIAL VALUE. NO DISCONNECTION OR SHORT CIRCUIT. TEST CONDITION: TEMPERATURE: 105 ± 5°C. DURATION: 500 ± 12 HRS. MEASURED AT ROOM TEMPERATURE AFTER PLACING FOR 2 TO 3 HRS.																
5. LOW TEMPERATURE LIFE TEST	PERFORMANCE : APPEARANCE: NO DAMAGE. INDUCTANCE: WITHIN ±20% OF INITIAL VALUE. NO DISCONNECTION OR SHORT CIRCUIT. TEST CONDITION: TEMPERATURE: -40 ± 5 °C . DURATION: 500 ± 12 HRS. MEASURED AT ROOM TEMPERATURE AFTER PLACING FOR 2 TO 3 HRS.																
6. THERMAL SHOCK	PERFORMANCE : APPEARANCE: NO DAMAGE. INDUCTANCE: WITHIN ±20% OF INITIAL VALUE. NO DISCONNECTION OR SHORT CIRCUIT TEST CONDITION: CONDITION FOR 1 CYCLE. STEP1: -40 ± 3°C 30 ± 3 MIN. STEP2: ROOM TEMPERATURE WITHIN 3 MIN. STEP3: +105 ± 3°C 30 ± 3 MIN. STEP4: ROOM TEMPERATURE WITHIN 3 MIN.. NUMBER OF CYCLES: 5 MEASURED AT ROOM TEMPERATURE AFTER PLACING FOR 2 TO 3 HRS. <table border="1" data-bbox="1142 1496 1509 1771"> <thead> <tr> <th>Step</th> <th>Temp(°C)</th> <th>Time(min.)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>-40 ± 3°C</td> <td>30 ± 3</td> </tr> <tr> <td>2</td> <td>room temp.</td> <td>within 3</td> </tr> <tr> <td>3</td> <td>+105 ± 3°C</td> <td>30 ± 3</td> </tr> <tr> <td>4</td> <td>room temp.</td> <td>within 3</td> </tr> </tbody> </table>		Step	Temp(°C)	Time(min.)	1	-40 ± 3°C	30 ± 3	2	room temp.	within 3	3	+105 ± 3°C	30 ± 3	4	room temp.	within 3
Step	Temp(°C)	Time(min.)															
1	-40 ± 3°C	30 ± 3															
2	room temp.	within 3															
3	+105 ± 3°C	30 ± 3															
4	room temp.	within 3															
7. HUMIDITY RESISTANCE	PERFORMANCE : APPEARANCE: NO DAMAGE. INDUCTANCE: WITHIN ±20% OF INITIAL VALUE. NO DISCONNECTION OR SHORT CIRCUIT. HUMIDITY: 90~95%RH. TEMPERATURE: 40 ± 5 °C . APPLIED CURRENT: RATED CURRENT. DURATION: 500 ± 12 HRS. MEASURED AT ROOM TEMPERATURE AFTER PLACING FOR 2 TO 3 HRS																

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样品检测数据

电性特性 Electrical Characteristics				产品尺寸 Dimension (unit:mm)					
ITEM	L 0A (μH)	IDC 0.3A (μH)	DCR (Ω)	A1	A2	B	C	D	E
SPEC	47±10%	≥L0Ax80%	1.80Max	3.5±0.3	3.0±0.3	1.6±0.3	1.0±0.2	1.2±0.3	3.0±0.3
1	47.21	46.01	1.36	3.53	3.06	1.63	1.02	1.23	3.03
2	46.05	44.92	1.37	3.53	3.05	1.64	1.03	1.20	3.04
3	48.36	45.81	1.36	3.52	3.03	1.66	1.05	1.25	3.02
4	46.53	45.33	1.36	3.53	3.06	1.67	1.03	1.24	3.03
5	45.71	44.70	1.37	3.52	3.03	1.65	1.01	1.23	3.03
6	47.71	46.01	1.36	3.53	3.06	1.67	1.02	1.22	3.02
7	47.05	44.92	1.37	3.53	3.05	1.63	1.00	1.22	3.04
8	48.36	45.81	1.36	3.52	3.03	1.63	1.03	1.20	3.02
9	46.53	45.33	1.36	3.53	3.06	1.61	1.04	1.24	3.03
10	46.71	44.70	1.37	3.52	3.03	1.65	1.03	1.23	3.03

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