



承认书

Approval Sheet

客户名称:

Customer

/

产品名称:

叠层片式铁氧体电感器

Part Name

Multilayer Chip Ferrite Inductor

产品规格:

Specification

JCI Series

版本号:

Version No.

A/0

日期:

Date

2020-7-3

制造Manufacturer			客户Customer		
拟制	审核	确认	检验	审核	批准
Draft by	Checked by	Approve by	Check by	Checked by	Approval by
周昶	杨岚	唐涛			



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产品指南Products Guide

Description	Model	P/N	Package Size	Inductance Range (uH)	Irms (mA)
Multilayer Chip Ferrite Inductor 叠 层片式铁氧体电感器		JCI	1608	0.056-15	1-50
			2012	0.047-22	5-300
			3216	0.047-22	5-300

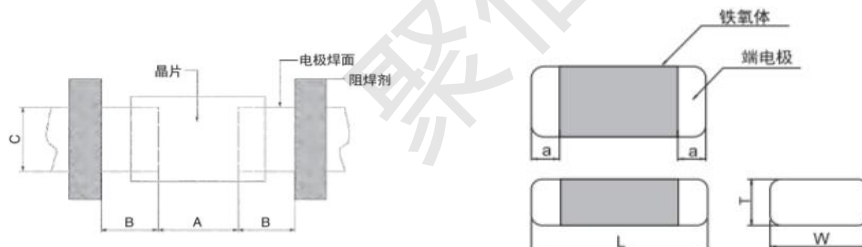
Characteristics特征

- 全磁屏蔽技术，元件磁路闭合，元器件之间没有相互干扰，可实现高密度安装；
- 多层独石结构，可靠性高；
- 无引线端头，寄生电容小；
- 工作温度范围：-55℃~125℃。

Application应用

- 智能宽带、汽车电子、通讯设备、消费电子、办公自动化等电子设备的低速信号线的噪声抑制。

Shape And Dimensions形状和尺寸 (Unit: mm)



Size 型号	L	W	T	a1,a2	A	B	C
JCI1005	1.0±0.15	0.50±0.15	0.50±0.15	0.25±0.20	0.35	0.5	0.5
JCI1608	1.60±0.15	0.80±0.15	0.80±0.15	0.30±0.20	0.8	0.6	0.8
JCI2012	2.00±0.20	1.25±0.20	0.80±0.20 1.25±0.20	0.4±0.20	1.0	0.8	1.2
JCI3216	3.20±0.20	1.60±0.20	0.80±0.20 1.10±0.30 1.60±0.30	0.50±0.30	2.2	1.1	1.6

Product Spec. Model产品品名构成

JCI	2012	C	R56	K	F
(1)	(2)	(3)	(4)	(5)	(6)

- (1)Product symbol系列代号
- (2)Dimensions外形尺寸: 1005、1608、2012、3216;
- (3)Material Code材料代号: A、B、C、Q
- (4)Inductance电感量: 100: 10uH; 2R7: 2.7μH; R27: 0.27μH;
- (5)Tolerance公差: J±5% K±10% M±20%;
- (6)Leadfree productors无铅产品: 据客户要求。

Specifications规格

JCI1608 Series

产品类型	电感量 (μH)	电感量 偏差	Q值 min	L、Q测试条件 (MHz/V)	自谐频率 (MHz)	直流电阻 (Ω)max	额定电流 (mA)
JCI1608A56N□	0.056	J、K	15	50/0.05	300	0.3	50
JCI1608A68N□	0.068	J、K	10	50/0.05	250	0.3	50
JCI1608A82N□	0.082	J、K	10	50/0.05	245	0.3	50
JCI1608AR10□	0.1	J、K	15	25/0.05	240	0.5	50
JCI1608AR12□	0.12	J、K	15	25/0.05	205	0.5	50
JCI1608AR15□	0.15	J、K	15	25/0.05	180	0.6	50
JCI1608AR18□	0.18	J、K	15	25/0.05	165	0.6	50
JCI1608AR22□	0.22	J、K	15	25/0.05	150	0.8	50
JCI1608AR27□	0.27	J、K	15	25/0.05	136	0.8	50
JCI1608AR33□	0.33	J、K	15	25/0.05	125	0.85	35
JCI1608AR39□	0.39	J、K	15	25/0.05	110	1	35
JCI1608AR47□	0.47	J、K	15	25/0.05	105	1.35	35
JCI1608AR56□	0.56	J、K	15	25/0.05	95	1.55	35
JCI1608AR68□	0.68	J、K	15	25/0.05	80	1.7	35
JCI1608AR82□	0.82	J、K	15	25/0.05	75	2.1	35
JCI1608B1R0□	1	J、K	35	10/0.05	70	0.6	25
JCI1608B1R2□	1.2	J、K	35	10/0.05	60	0.8	25
JCI1608B1R5□	1.5	J、K	35	10/0.05	55	0.8	25
JCI1608B1R8□	1.8	J、K	35	10/0.05	50	0.95	25
JCI1608B2R2□	2.2	J、K	35	10/0.05	45	1.15	15
JCI1608B2R7□	2.7	J、K	35	10/0.05	40	1.35	15
JCI1608B3R3□	3.3	J、K	35	10/0.05	38	1.55	15
JCI1608B3R9□	3.9	J、K	35	10/0.05	36	1.7	15
JCI1608B4R7□	4.7	J、K	35	10/0.05	33	2.1	15
JCI1608C5R6□	5.6	J、K	35	4/0.05	22	1.55	5
JCI1608C6R8□	6.8	J、K	35	4/0.05	20	1.7	5
JCI1608C8R2□	8.2	J、K	35	4/0.05	18	2.1	5
JCI1608C100□	10	J、K	35	2/0.05	17	2.55	5
JCI1608C120□	12	J、K	35	2/0.05	15	2.75	5
JCI1608D150□	15	J、K	20	1/0.05	14	1.7	1

注:表示电感量偏差代号为J、K或者M。J: ±5%; K: ±10%;

JCI2012 Series

产品类型	电感量 (μH)	电感量 偏差	Q值 min	L、Q测试条件 (MHz/V)	自谐频率 (MHz)	直流电阻 (Ω)max	额定电流 (mA)
JCI2012A47N□	0.047	J、K	15	50/0.05	320	0.2	300
JCI2012A56N□	0.056	J、K	20	50/0.05	300	0.2	300
JCI2012A68N□	0.068	J、K	15	50/0.05	280	0.2	300
JCI2012A82N□	0.082	J、K	15	50/0.05	255	0.2	300
JCI2012AR10□	0.1	J、K	20	25/0.05	235	0.3	250
JCI2012AR12□	0.12	J、K	20	25/0.05	220	0.3	250
JCI2012AR15□	0.15	J、K	20	25/0.05	200	0.4	250
JCI2012AR18□	0.18	J、K	20	25/0.05	185	0.4	250
JCI2012AR22□	0.22	J、K	20	25/0.05	170	0.5	250
JCI2012AR27□	0.27	J、K	20	25/0.05	150	0.5	250
JCI2012AR33□	0.33	J、K	20	25/0.05	145	0.55	250
JCI2012AR39□	0.39	J、K	25	25/0.05	135	0.65	200
JCI2012AR47□	0.47	J、K	25	25/0.05	125	0.65	200
JCI2012AR56□	0.56	J、K	25	25/0.05	115	0.75	150
JCI2012AR68□	0.68	J、K	25	25/0.05	105	0.8	150
JCI2012AR82□	0.82	J、K	25	25/0.05	100	1	150
JCI2012B1R0□	1	J、K	45	10/0.05	75	0.4	50
JCI2012B1R2□	1.2	J、K	45	10/0.05	65	0.5	50
JCI2012B1R5□	1.5	J、K	45	10/0.05	60	0.5	50
JCI2012B1R8□	1.8	J、K	45	10/0.05	55	0.6	50
JCI2012B2R2□	2.2	J、K	45	10/0.05	50	0.65	30
JCI2012B2R7□	2.7	J、K	45	10/0.05	45	0.75	30
JCI2012B3R3□	3.3	J、K	45	10/0.05	41	0.8	30
JCI2012B3R9□	3.9	J、K	45	10/0.05	38	0.9	30
JCI2012B4R7□	4.7	J、K	45	10/0.05	35	1	30
JCI2012C5R6□	5.6	J、K	50	4/0.05	32	0.9	15
JCI2012C6R8□	6.8	J、K	50	4/0.05	29	1	15
JCI2012C8R2□	8.2	J、K	50	4/0.05	26	1.1	15
JCI2012C100□	10	J、K	50	2/0.05	24	1.15	15
JCI2012C120□	12	J、K	50	2/0.05	22	1.25	15
JCI2012D150□	15	J、K	30	1/0.05	19	0.8	5
JCI2012D180□	18	J、K	30	1/0.05	18	0.9	5
JCI2012D220□	22	J、K	30	1/0.05	16	1.1	5

注:表示电感量偏差代号为J、K或者M。J: $\pm 5\%$; K: $\pm 10\%$;

JCI3216 Series

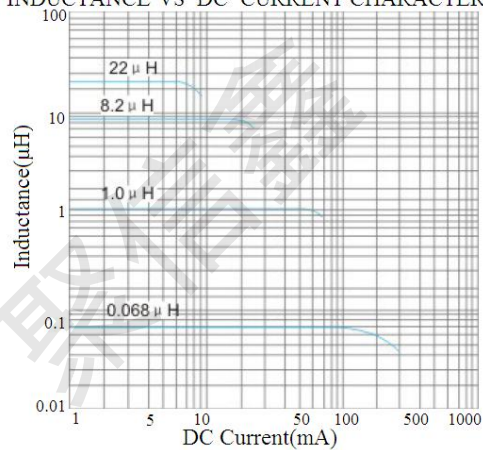
产品类型	电感量 (μH)	电感量 偏差	Q值 min	L、Q测试条件 (MHz/V)	自谐频率 (MHz)	直流电阻 (Ω)max	额定电流 (mA)
JCI3216A47N□	0.047	J、K	20	50/0.05	320	0.15	300
JCI3216A68N□	0.068	J、K	20	50/0.05	280	0.25	300
JCI3216A82N□	0.082	J、K	20	50/0.05	255	0.25	250
JCI3216AR10□	0.1	J、K	20	25/0.05	235	0.25	250
JCI3216AR18□	0.18	J、K	20	25/0.05	185	0.4	250
JCI3216AR22□	0.22	J、K	20	25/0.05	170	0.4	250
JCI3216AR27□	0.27	J、K	20	25/0.05	150	0.5	250
JCI3216AR33□	0.33	J、K	20	25/0.05	145	0.6	250
JCI3216AR47□	0.47	J、K	25	25/0.05	125	0.6	200
JCI3216AR56□	0.56	J、K	25	25/0.05	112	0.7	150
JCI3216AR82□	0.82	J、K	25	25/0.05	100	0.9	150
JCI3216B1R0□	1	J、K	45	10/0.05	75	0.4	100
JCI3216B1R2□	1.2	J、K	45	10/0.05	65	0.5	100
JCI3216B1R5□	1.5	J、K	45	10/0.05	60	0.5	50
JCI3216B1R8□	1.8	J、K	45	10/0.05	55	0.5	50
JCI3216B2R2□	2.2	J、K	45	10/0.05	50	0.6	50
JCI3216B2R7□	2.7	J、K	45	10/0.05	45	0.6	50
JCI3216B3R3□	3.3	J、K	45	10/0.05	41	0.7	50
JCI3216B3R9□	3.9	J、K	45	10/0.05	38	0.8	50
JCI3216B4R7□	4.7	J、K	45	10/0.05	35	0.9	50
JCI3216C5R6□	5.6	J、K	50	4/0.05	32	0.7	25
JCI3216C6R8□	6.8	J、K	50	4/0.05	29	0.8	25
JCI3216C8R2□	8.2	J、K	50	4/0.05	26	0.9	25
JCI3216C100□	10	J、K	50	2/0.05	24	1	25
JCI3216C120□	12	J、K	50	2/0.05	22	1.05	15
JCI3216D150□	15	J、K	35	1/0.05	19	0.7	5
JCI3216D180□	18	J、K	35	1/0.05	18	0.7	5
JCI3216D220□	22	J、K	35	1/0.05	16	0.9	5

注:表示电感量偏差代号为J、K或者M。J: $\pm 5\%$; K: $\pm 10\%$;

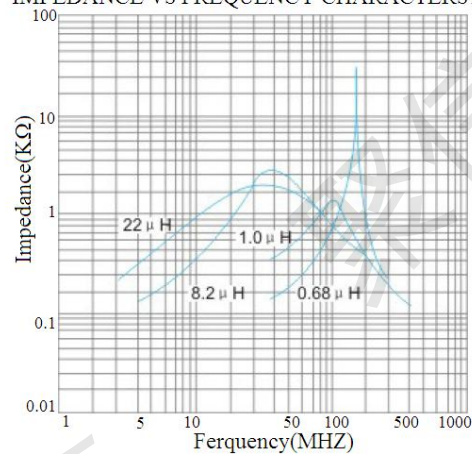
电气特性Detail electrical characteristics

JCI1608 Type

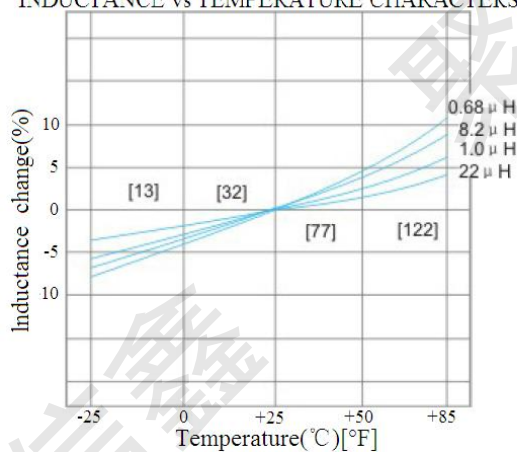
INDUCTANCE VS DC CURRENT CHARACTERISTICS



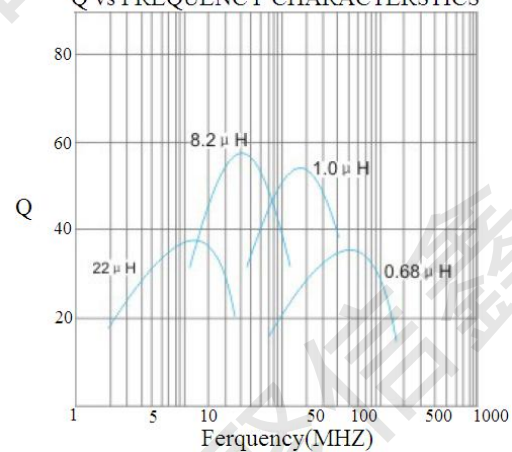
IMPEDANCE VS FREQUENCY CHARACTERISTICS



INDUCTANCE vs TEMPERATURE CHARACTERISTICS

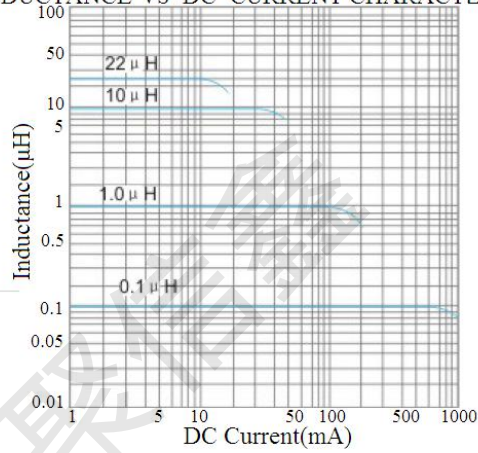


Q vs FREQUENCY CHARACTERISTICS

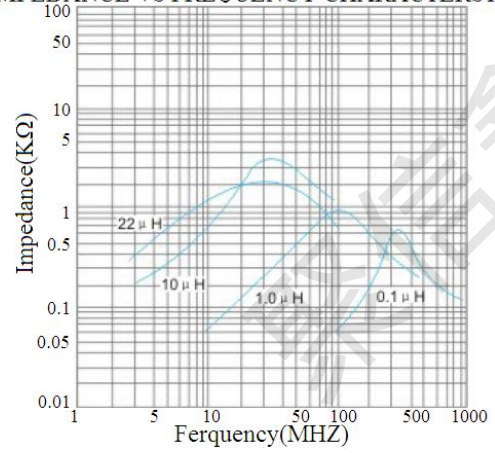


JCI2012 Type

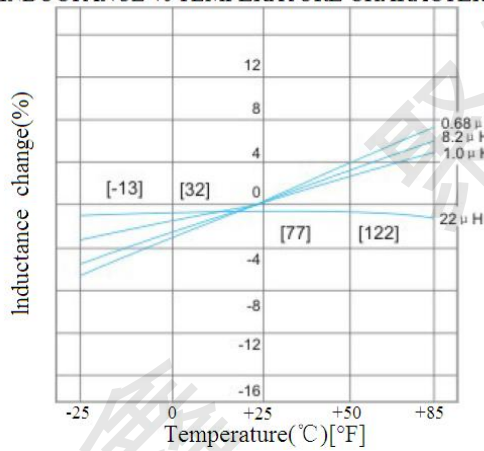
INDUCTANCE VS DC CURRENT CHARACTERISTICS



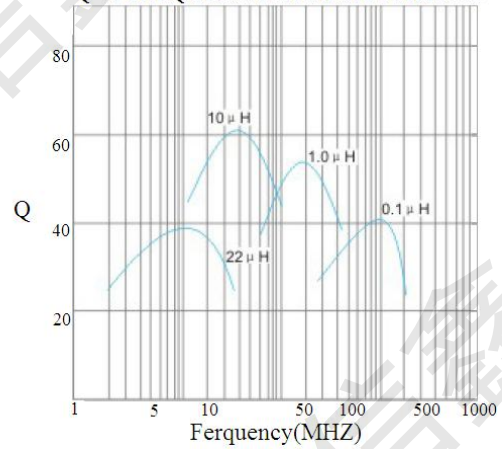
IMPEDANCE VS FREQUENCY CHARACTERISTICS



INDUCTANCE vs TEMPERATURE CHARACTERISTICS

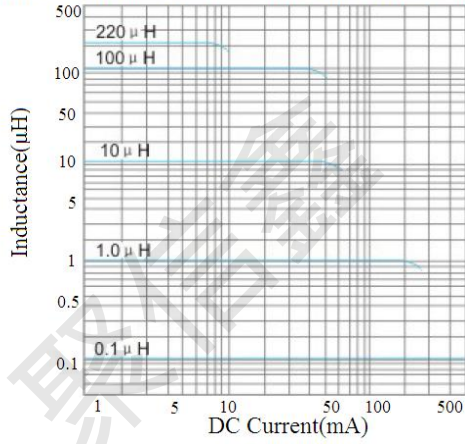


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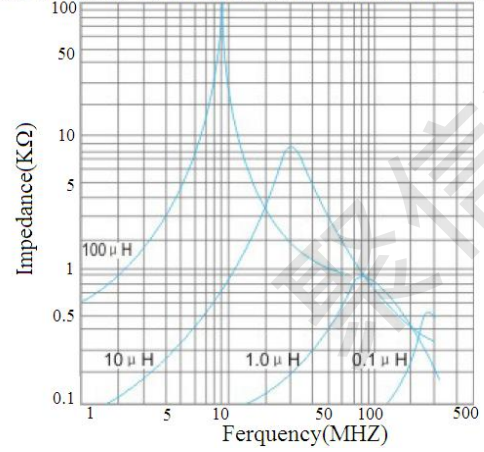


JCI3216 Type

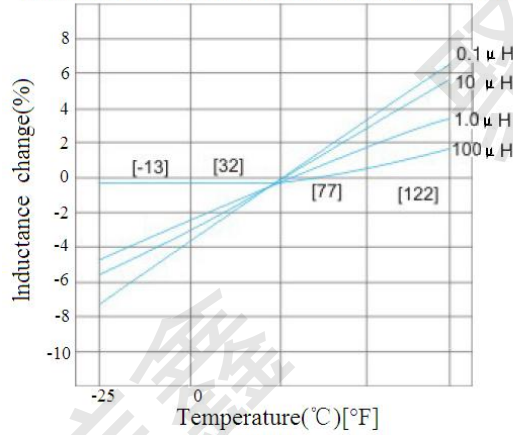
INDUCTANCE VS DC CURRENT CHARACTERISTICS



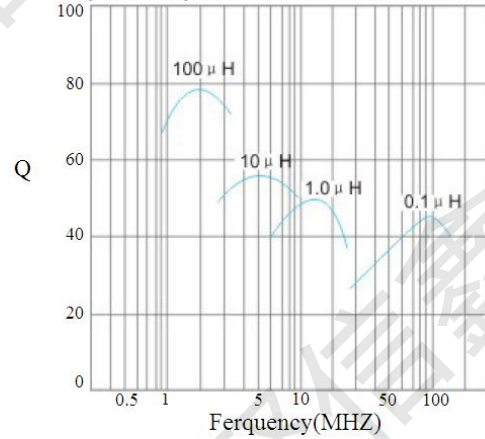
IMPEDANCE VS FREQUENCY CHARACTERISTICS



INDUCTANCE vs TEMPERATURE CHARACTERISTICS

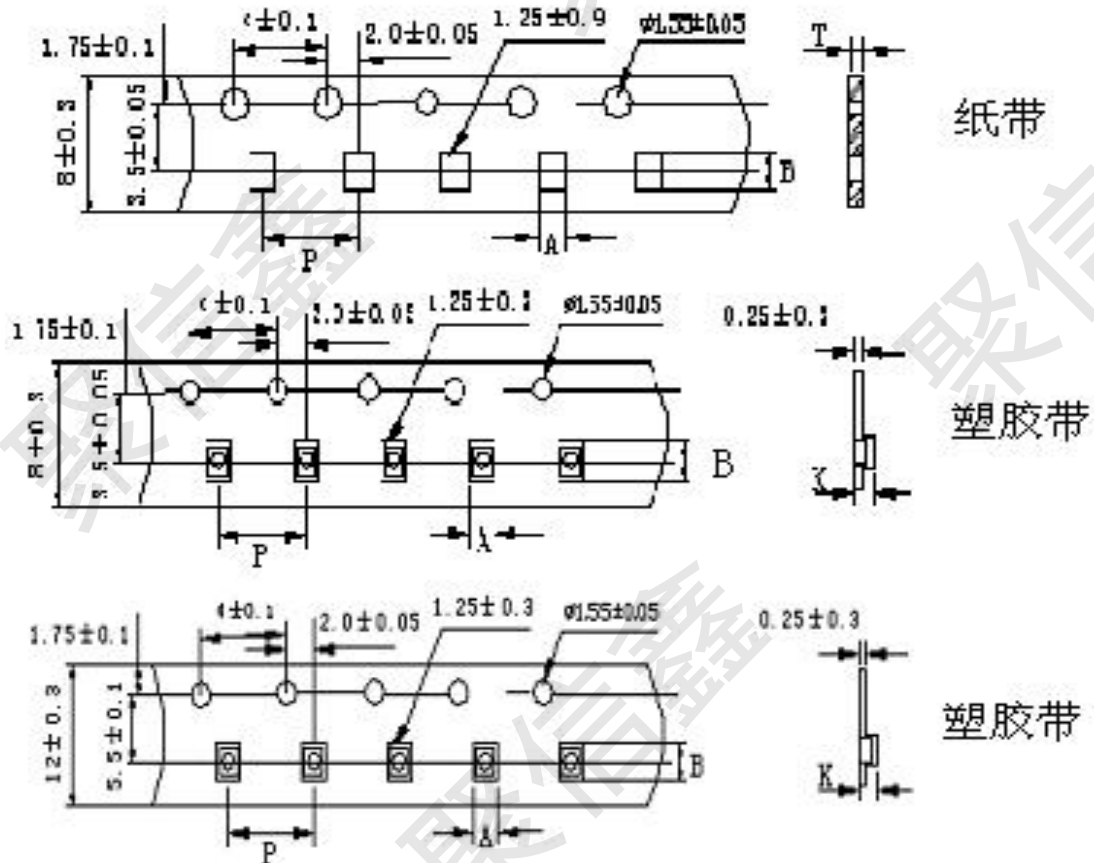


Q vs FREQUENCY CHARACTERISTICS



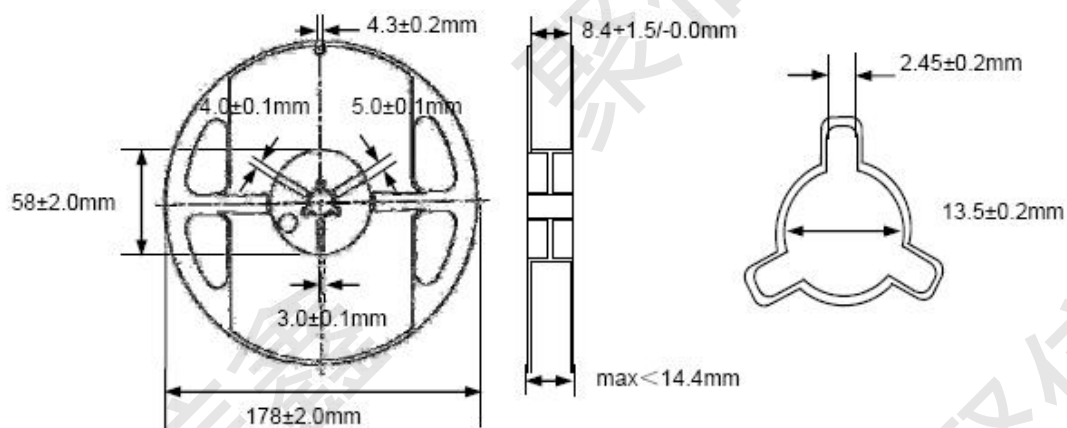
产品包装 Packaging

冲孔纸带和塑胶带:

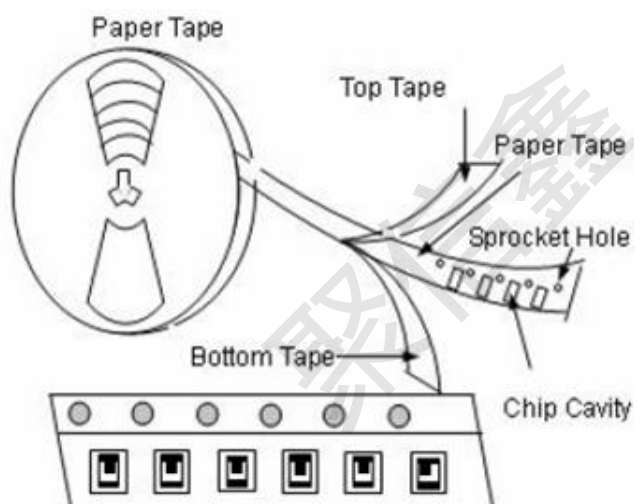


纸带						
TYPE	A	B	P	T	A1	B1
1005	0.62 ± 0.03	1.12 ± 0.03	2.00 ± 0.05	0.6 ± 0.02	0.10 ± 0.05	0.10 ± 0.05
1608	1.00 ± 0.10	1.80 ± 0.10	4.00 ± 0.10	0.95 ± 0.10	0.15 ± 0.10	0.30 ± 0.10
2012	1.50 ± 0.10	2.30 ± 0.10	4.00 ± 0.10	0.95 ± 0.10	0.30 ± 0.10	0.30 ± 0.10
3216	1.90 ± 0.10	3.60 ± 0.10	4.00 ± 0.10	0.95 ± 0.10	0.30 ± 0.10	0.50 ± 0.10
塑胶带						
TYPE	A	B	P	K		
1608	1.08 ± 0.1	1.88 ± 0.1	4.0 ± 0.1	1.05 ± 0.1		
2012	1.50 ± 0.1	2.32 ± 0.1	4.0 ± 0.1	1.40 ± 0.1		
3216	1.88 ± 0.1	3.5 ± 0.1	4.0 ± 0.1	1.27 ± 0.1		

带轮尺寸 (Unit: mm):



编带简图及拉伸方向:



包装数量 (单位: 粒) Packaging number (Unit: Pcs)

Type	1005	1608	2012	3216
T(mm)	0.5±0.15	0.8±0.15	1.2±0.20 0.8±0.20	1.10±0.3
Tape	盘装	盘装	盘装	盘装
Quantity	10k	4k	4k	4k