叠层片式超高频电感— **ALMHFA** 系列

Multilayer Chip High Frequency Inductor-ALMHFA Series

Operating Temp. :

ALMHFA1005 series: -55℃~ +125℃

ALMHFA1608 series: -40℃~ +85℃

特征

- 比 SDCL 系列更高的自谐频率
- 体积小，重量轻
- 无极性
- 良好的可焊性和耐焊性

FEATURES

- Higher self-resonant frequency than SDCL series inductors
- Ultra miniature size and light weight
- No polarity
- Excellent solderability and high heat resistance

用途

- 蓝牙模块
- CDMA、TDMA、GSM、PCS 制式手机
- 蜂窝电话、无绳电话、寻呼机等通讯产品的射频模块
- 功率放大模块
- 计算机通信，雷达探测器

APPLICATIONS

- Bluetooth module
- CDMA, TDMA, GSM, PCS phone
- RF module of telecommunication products, such as cellular phone, cordless telephone, pager, etc
- Power AMP module
- Computer communications, radar detectors

产品型号 PRODUCT IDENTIFICATION

ALMHFA	1005	_	10N	J	T
①	②		③	④	⑤

①

分类 Type	
ALMHFA	叠层片式超高频电感 Chip High Freq. Inductor

②

外形尺寸(L×W) (mm) External Dimensions (L×W) (mm)	
1005 [0402]	1.0×0.5
1608 [0603]	1.6×0.8

③

公称电感量 Nominal Inductance	
Example	Nominal Value
10N	10nH
R10	100nH

④

电感公差 Inductance Tolerance	
J	±5%

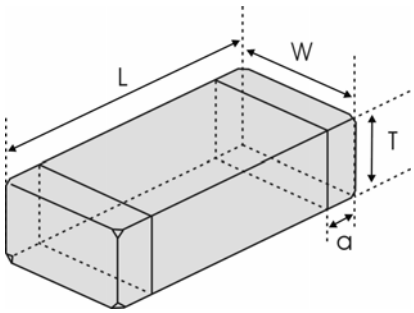
⑤

包装 Packing	
B	散装 Bulk Package
T	编带 Tape & Reel

外观尺寸 SHAPE AND DIMENSIONS

Unit: mm [inch]

Type	L	W	T	a
ALMHFA1005 [0402]	1.0±0.15 [.039±.006]	0.5±0.15 [.020±.006]	0.5±0.15 [.020±.006]	0.25±0.1 [.010±.004]
ALMHFA1608 [0603]	1.6±0.15 [.063±.006]	0.8±0.15 [.031±.006]	0.8±0.15 [.031±.006]	0.3±0.2 [.012±.008]



Type	Weight(mg)	Quantity/Reel	Reel and Tape width
ALMHFA1005	1	4,000	7”, 8mm
ALMHFA1608	3	4,000	7”, 8mm

ALEVEL

ALEVEL International(H.K)limited

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规格特性 SPECIFICATIONS

ALMHFA1005 TYPE

Part Number 型号	Inductance 电感量	Min. Quality Factor 品质因子	L, Q Test Freq. L/Q 测试频率	Typical Q @ Freq. (MHz)						Min. Self-resonant Frequency 自谐频率	Max. DC Resistance 直流电阻	Max. Rated Current 额定电流	Thickness 厚度
				100	300	500	800	1000	1800				
Units 单位	nH	-	MHz	-						MHz	Ω	mA	mm [inch]
Symbol 符号	L	Q	Freq	Q						S.R.F	DCR	Ir	T
ALMHFA1005-10NJ	10	5.5	100	7	11	15	18	19	25	5400	0.70	200	0.5±0.15 [.020±.006]
ALMHFA1005-12NJ	12	7.0	100	7.5	12	15	18	20	27	4100	0.80	200	
ALMHFA1005-15NJ	15	7.0	100	7.5	12	15	18	20	26	4000	0.90	200	
ALMHFA1005-18NJ	18	7.0	100	8	13	16	19	21	26	3700	1.00	150	
ALMHFA1005-22NJ	22	7.0	100	8.5	13	17	21	23	28	3500	1.20	150	
ALMHFA1005-27NJ	27	7.0	100	8.5	13	17	21	23	28	3400	1.50	150	
ALMHFA1005-33NJ	33	7.0	100	8.3	13	17	21	23	28	3200	1.80	150	
ALMHFA1005-39NJ	39	7.0	100	8	14	17	20	21	24	2500	2.00	100	
ALMHFA1005-47NJ	47	7.0	100	8.8	14	18	22	24	29	2400	2.20	100	
ALMHFA1005-56NJ	56	7.0	100	8.8	14	18	23	24	29	2300	2.50	100	
ALMHFA1005-68NJ	68	7.0	100	8.6	14	17	22	24	29	2200	2.70	100	
ALMHFA1005-82NJ	82	7.0	100	8	13	17	20	20	16	2100	2.90	100	
ALMHFA1005-R10J	100	7.0	100	8	13	17	20	20	13	2000	3.20	100	

※: The product with tolerance less than ±5% is also available. Please contact your local sales.

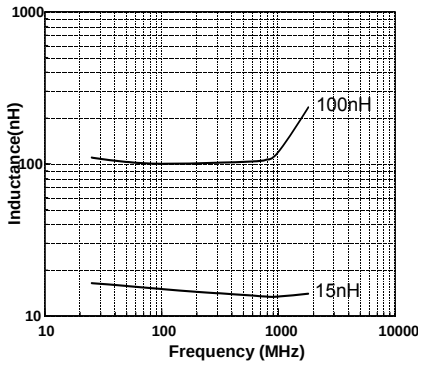
ALMHFA1608 TYPE

Part Number 型号	Inductance 电感量	Min. Quality Factor 品质因子	L, Q Test Freq. L/Q 测试频率	Typical Q @ Freq. (MHz)						Min. Self-resonant Frequency 自谐频率	Max. DC Resistance 直流电阻	Max. Rated Current 额定电流	Thickness 厚度
				100	300	500	800	1000	1800				
Units 单位	nH	-	MHz	-						MHz	Ω	mA	mm [inch]
Symbol 符号	L	Q	Freq	Q						S.R.F	DCR	Ir	T
ALMHFA1608-10NJ	10	8	100	10	22	28	35	39	45	>6000	0.6	500	0.8±0.15 [.031±.006]
ALMHFA1608-12NJ	12	8	100	10	18	23	26	32	42	6000	0.7	500	
ALMHFA1608-15NJ	15	8	100	12	22	28	35	39	42	5500	0.8	500	
ALMHFA1608-18NJ	18	8	100	10	18	22	25	30	43	5200	0.9	300	
ALMHFA1608-22NJ	22	8	100	12	21	27	34	37	37	5000	1.0	300	
ALMHFA1608-27NJ	27	8	100	10	18	24	26	32	38	4800	1.2	300	
ALMHFA1608-33NJ	33	8	100	12	21	27	33	35	31	4500	1.4	300	
ALMHFA1608-39NJ	39	8	100	11	20	26	32	34	29	4000	1.5	200	
ALMHFA1608-47NJ	47	8	100	12	20	26	31	34	27	3500	1.6	200	
ALMHFA1608-56NJ	56	8	100	11	20	26	31	34	24	3000	1.8	200	
ALMHFA1608-68NJ	68	8	100	10	18	21	24	28	20	2800	2.0	200	
ALMHFA1608-82NJ	82	8	100	10	19	22	26	26	15	2500	2.2	200	
ALMHFA1608-R10J	100	8	100	10	19	24	27	25	-	2000	2.5	150	
ALMHFA1608-R12J	120	8	100	10	19	23	26	24	-	1600	2.8	150	
ALMHFA1608-R15J	150	8	100	10	18	24	26	23	-	1400	3.0	150	
ALMHFA1608-R18J	180	8	100	10	17	22	23	-	-	1000	3.4	150	

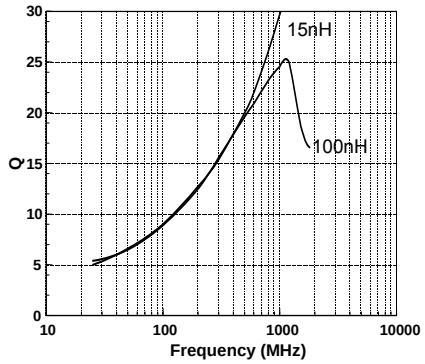
※: The product with tolerance less than ±5% is also available. Please contact your local sales.

电气特性 TYPICAL ELECTRICAL CHARACTERISTICS

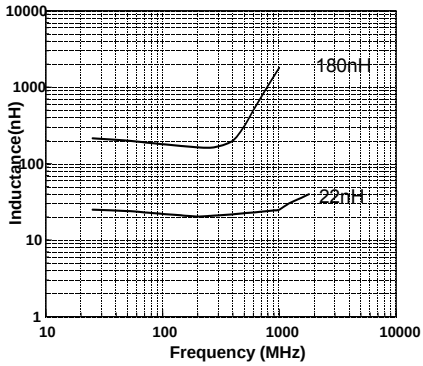
ALMHFA1005 TYPE
Inductance vs. Frequency Characteristics



Q vs. Frequency Characteristics



ALMHFA1608 TYPE
Inductance vs. Frequency Characteristics



Q vs. Frequency Characteristics