



特征 FEATURES

- 低成本
- 不同的 Q 值特征、可靠性高
- 高自谐频率、低直流电阻
- Low cost solution
- Exceptional Q characteristics, high reliability
- High self-resonant frequency. Low DCR.

应用 APPLICATIONS

- 扼流线圈
- 射频线圈
- 扫描信号校正线圈
- Choke coils
- RF. coils
- Peaking coils

产品规格型号表示方法 ORDERING CODE

AL 0204 — 101 K — TB
(1) (2) (3) (4) (5)

(1) 产品品名 Series name

(2) 产品尺寸 Dimensions

(3) 电感值 Inductance value

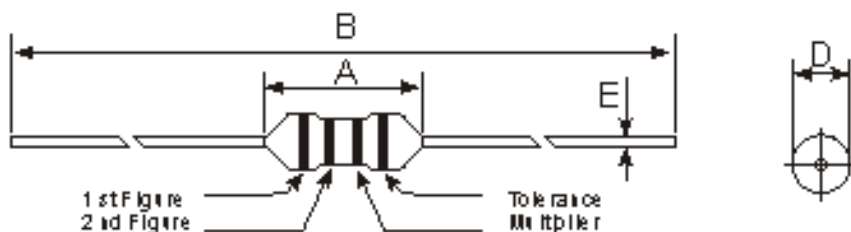
(4) 误差值 Tolerance (J: $\pm 5\%$; K: $\pm 10\%$; L: $\pm 15\%$;

R22: $0.22\mu\text{H}$; 101: $100\mu\text{H}$

M: $\pm 20\%$; P: $\pm 25\%$; N: $\pm 30\%$)

(5) 结构 Leads configuration

外形尺寸 Dimensions

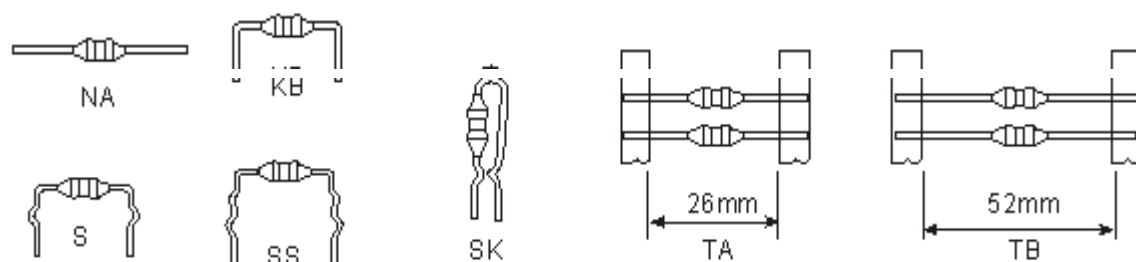


Unit: mm

PART NO.	A(max) 本体长度	B 总长度	D(max) 本体直径	E 导针直径
AL0204	4.5	64 ± 1	2.3	0.5 ± 0.05
AL0307	7.0	64 ± 1	3.00	0.5 ± 0.05
AL0410	10.50	64 ± 1	4.00	0.6 ± 0.05
AL0510	12.00	64 ± 1	5.00	0.6 ± 0.05



结构 LEADS CONFIGURATION



色码 COLOR CODE

颜色 COLOR	电感值 (uH) NOMINAL INDUCTANCE			允许偏差 TOLERANCE
	第一环 FIRST FIGURE	第二环 SECOND FIGURE	倍 率 MULTIPLIER	
黑 Black	0		1	±20%
棕 Brown	1		10	—
红 Red	2		100	—
橙 Orange	3		1000	—
黄 Yellow	4		—	—
绿 Green	5		—	—
蓝 Bluw	6		—	—
紫 Violet	7		—	—
灰 Grey	8		—	—
白 White	9		—	—
金 Gold	—		0.1	±5%
银 Silver	—		0.01	±10%

*可按客户的特殊需求设计 Design as Customer' s Requested Specifications.



电性能参数 Electrical Characteristics

AL0204 Series

产品型号 Part Numbet	电感值 Inductance (uH)	品质因素 Q (min)	自谐频率 SRF (MHz)(min)	直流电阻 Rdc (Ω)(max)	额定电流 Idc (mA)(max)	测试频率 Test Freq (MHz)
AL0204- R22M	0.22	35	150	0.40	400	25.2
AL0204- R27M	0.27	35	150	0.43	380	25.2
AL0204- R33M	0.33	35	150	0.48	370	25.2
AL0204- R39M	0.39	35	150	0.51	350	25.2
AL0204- R47M	0.47	35	150	0.56	330	25.2
AL0204- R56M	0.56	35	150	0.61	320	25.2
AL0204- R68M	0.68	35	150	0.67	310	25.2
AL0204- R82M	0.82	35	150	0.74	290	25.2
AL0204- 1R0M	1.0	35	150	0.80	270	25.2
AL0204- 1R2M	1.2	40	110	0.90	260	7.96
AL0204- 1R5M	1.5	40	80	1.00	250	7.96
AL0204- 1R8M	1.8	40	60	1.10	240	7.96
AL0204- 2R2M	2.2	40	45	1.20	230	7.96
AL0204- 2R7M	2.7	40	40	1.30	220	7.96
AL0204- 3R3K	3.3	40	38	1.40	210	7.96
AL0204- 3R9K	3.9	40	35	1.60	200	7.96
AL0204-4R7K	4.7	40	32	1.70	190	7.96
AL0204- 5R6K	5.6	40	30	1.90	180	7.96
AL0204- 6R8K	6.8	40	28	2.00	175	7.96
AL0204- 8R2K	8.2	40	26	2.20	165	7.96
AL0204- 100K	10	40	24	2.50	160	7.96
AL0204- 120K	12	40	22	2.50	150	2.52
AL0204- 150K	15	40	20	2.80	145	2.52
AL0204- 180K	18	40	18	3.10	140	2.52
AL0204- 220K	22	40	17	3.40	130	2.52
AL0204- 270K	27	40	16	4.30	80	2.52
AL0204- 330K	33	40	14	4.70	76	2.52
AL0204- 390K	39	40	13	5.20	74	2.52
AL0204- 470K	47	40	12	5.80	70	2.52
AL0204- 560K	56	40	11	6.40	68	2.52
AL0204- 680K	68	40	10	7.20	64	2.52
AL0204- 820K	82	40	9.5	11.0	46	2.52
AL0204- 101K	100	40	9.0	12.0	44	2.52
AL0204- 121K	120	40	8.0	13.0	42	0.796
AL0204- 151K	150	40	6.0	16.0	39	0.796
AL0204- 181K	180	40	5.5	18.0	37	0.796
AL0204- 221K	220	40	5.0	20.0	35	0.796
AL0204- 271K	270	40	4.6	25.0	25	0.796
AL0204- 331K	330	40	4.2	30.0	25	0.796
AL0204- 391K	390	40	3.8	34.0	25	0.796
AL0204- 471K	470	40	3.5	38.0	24	0.796



AL0307 Series

产品型号 Part Numbet	电感值 Inductance (uH)	品质因素 Q (min)	自谐频率 SRF (MHz)(min)	直流电阻 Rdc (Ω)(max)	额定电流 Idc (mA)(max)	测试频率 Test Freq (MHz)
AL0307- R22M	0.22	35	150	0.40	400	25.2
AL0307- R27M	0.27	35	150	0.43	380	25.2
AL0307- R33M	0.33	35	150	0.48	370	25.2
AL0307- R39M	0.39	35	150	0.51	350	25.2
AL0307- R47M	0.47	35	150	0.56	330	25.2
AL0307- R56M	0.56	40	150	0.61	320	25.2
AL0307- R68M	0.68	40	150	0.67	310	25.2
AL0307- R82M	0.82	40	150	0.74	290	25.2
AL0307- 1R0M	1.0	40	150	0.80	270	25.2
AL0307- 1R2M	1.2	50	144	0.90	260	7.96
AL0307- 1R5M	1.5	50	131	1.00	250	7.96
AL0307- 1R8M	1.8	50	121	1.10	240	7.96
AL0307- 2R2M	2.2	50	110	1.20	230	7.96
AL0307- 2R7M	2.7	50	100	1.30	220	7.96
AL0307- 3R3K	3.3	50	94	1.40	210	7.96
AL0307- 3R9K	3.9	50	65	1.60	200	7.96
AL0307-4R7K	4.7	50	56	1.70	190	7.96
AL0307- 5R6K	5.6	50	48	1.90	180	7.96
AL0307- 6R8K	6.8	50	37	2.00	175	7.96
AL0307- 8R2K	8.2	50	25	2.20	165	7.96
AL0307- 100K	10	50	21	2.50	160	7.96
AL0307- 120K	12	50	19	2.50	150	2.52
AL0307- 150K	15	50	17	2.80	145	2.52
AL0307- 180K	18	50	13	3.10	140	2.52
AL0307- 220K	22	50	9.6	3.40	130	2.52
AL0307- 270K	27	50	7.2	3.80	125	2.52
AL0307- 330K	33	50	6.3	4.10	120	2.52
AL0307- 390K	39	50	6.3	4.50	115	2.52
AL0307- 470K	47	50	6.3	4.90	110	2.52
AL0307- 560K	56	50	6.2	5.30	105	2.52
AL0307- 680K	68	50	5.7	5.80	100	2.52
AL0307- 820K	82	50	5.3	6.30	95	2.52
AL0307- 101K	100	50	4.8	7.00	90	2.52
AL0307- 121K	120	50	3.8	13.0	90	0.796
AL0307- 151K	150	50	3.5	15.0	85	0.796
AL0307- 181K	180	50	3.3	16.0	80	0.796
AL0307- 221K	220	50	3.0	17.0	75	0.796
AL0307- 271K	270	50	2.8	19.0	65	0.796
AL0307- 331K	330	50	2.6	20.0	60	0.796
AL0307- 391K	390	50	2.4	22.0	55	0.796
AL0307- 471K	470	50	2.25	24.0	55	0.796
AL0307- 561K	560	50	2.10	26.0	50	0.796
AL0307- 681K	680	50	1.95	28.0	45	0.796
AL0307- 821K	820	50	1.85	30.0	40	0.796
AL0307- 102K	1000	50	1.40	33.0	40	0.796



AL0410 Series

产品型号 Part Numbet	电感值 Inductance (uH)	品质因素 Q (min)	自谐频率 SRF (MHz)(min)	直流电阻 Rdc (Ω)(max)	额定电流 Idc (mA)(max)	测试频率 Test Freq (MHz)
AL0410- R22M	0.22	45	300	0.10	1400	25.2
AL0410- R27M	0.27	45	270	0.11	1320	25.2
AL0410- R33M	0.33	45	250	0.12	1280	25.2
AL0410- R39M	0.39	45	230	0.13	1200	25.2
AL0410- R47M	0.47	45	220	0.14	1150	25.2
AL0410- R56M	0.56	45	200	0.15	1100	25.2
AL0410- R68M	0.68	45	190	0.16	1030	25.2
AL0410- R82M	0.82	45	172	0.17	980	25.2
AL0410- 1R0M	1.0	45	157	0.19	920	25.2
AL0410- 1R2M	1.2	50	144	0.21	880	7.96
AL0410- 1R5M	1.5	50	131	0.23	830	7.96
AL0410- 1R8M	1.8	55	121	0.25	790	7.96
AL0410- 2R2M	2.2	55	110	0.28	750	7.96
AL0410- 2R7M	2.7	60	100	0.30	720	7.96
AL0410- 3R3K	3.3	65	94	0.34	670	7.96
AL0410- 3R9K	3.9	65	55	0.37	640	7.96
AL0410-4R7K	4.7	70	56	0.39	620	7.96
AL0410- 5R6K	5.6	70	48	0.43	590	7.96
AL0410- 6R8K	6.8	75	37	0.48	550	7.96
AL0410- 8R2K	8.2	80	25	0.52	530	7.96
AL0410- 100K	10	65	21	0.58	500	7.96
AL0410- 120K	12	50	19	0.63	480	2.52
AL0410- 150K	15	50	17	0.72	460	2.52
AL0410- 180K	18	50	13	0.77	430	2.52
AL0410- 220K	22	50	9.6	0.84	410	2.52
AL0410- 270K	27	55	7.2	0.94	390	2.52
AL0410- 330K	33	55	6.6	1.03	370	2.52
AL0410- 390K	39	50	6.6	1.12	350	2.52
AL0410- 470K	47	45	6.3	1.22	340	2.52
AL0410- 560K	56	40	6.2	1.34	320	2.52
AL0410- 680K	68	40	5.7	1.47	305	2.52
AL0410- 820K	82	35	5.3	1.62	290	2.52
AL0410- 101K	100	30	4.8	1.80	275	2.52
AL0410- 121K	120	55	3.8	3.70	185	0.796
AL0410- 151K	150	45	3.5	4.20	175	0.796
AL0410- 181K	180	50	3.3	4.60	165	0.796
AL0410- 221K	220	55	3.0	5.10	155	0.796
AL0410- 271K	270	65	2.8	5.80	145	0.796
AL0410- 331K	330	65	2.6	6.40	137	0.796
AL0410- 391K	390	65	2.4	7.00	133	0.796
AL0410- 471K	470	60	2.25	7.70	126	0.796
AL0410- 561K	560	60	2.10	8.50	120	0.796
AL0410- 681K	680	55	1.95	9.40	113	0.796
AL0410- 821K	820	55	1.85	10.5	105	0.796
AL0410- 102K	1000	50	1.40	14.0	100	0.796



AL0510 Series

产品型号 Part Numbet	电感值 Inductance (uH)	品质因素 Q (min)	自谐频率 SRF (MHz)(min)	直流电阻 Rdc (Ω)(max)	额定电流 Idc (mA)(max)	测试频率 Test Freq (MHz)
AL0510- 471K	470	60	1.90	7.70	126	0.796
AL0510- 561K	560	50	1.80	8.50	120	0.796
AL0510- 681K	680	55	1.50	9.00	113	0.796
AL0510- 821K	820	45	1.20	10.5	105	0.796
AL0510- 102K	1000	40	1.00	14.0	100	0.252
AL0510- 122K	1200	40	0.95	16.9	95	0.252
AL0510- 152K	1500	40	0.90	21.6	90	0.252
AL0510- 182K	1800	40	0.85	24.0	85	0.252
AL0510- 222K	2200	40	0.80	34.7	80	0.252
AL0510- 272K	2700	40	0.75	40.0	75	0.252
AL0510- 332K	3300	40	0.70	59.5	62	0.252
AL0510- 392K	3900	40	0.65	66.0	59	0.252
AL0510- 472K	4700	40	0.60	74.0	55	0.252
AL0510- 562K	5600	30	0.50	80.0	40	0.252
AL0510-682K	6800	30	0.45	85.0	35	0.252
AL0510- 822K	8200	30	0.40	95.0	30	0.252
AL0510- 103K	10000	20	0.35	105	25	0.252