



AXLAL LEADED INDUCTORS 色碼電感

AL SERIES(0204/0307/0410/0510)

FEATURES 特征

Low cost solution

低成本

Exceptional Q characteristics,high reliability.High
Self-resonant frequency,Low DCR.

高Q值, 高可靠性, 高自諧振頻率, 低電阻值。

APPLICATIONS 用途

Choke coils RF.coils Peaking coils

扼流线圈、射频线圈、峰值线圈

PRODUCT IDENTIFICATION 產品標識

AL 0204 - 101 - K - LF - TB
(1) (2) (3) (4) (5) (6)

(1) .Series name (產品品名)

(2) .Dimensions (產品尺寸)

(3) .Inductance value (電感值)

(4) .Tolerance (誤差值)

1R5: 1.5 μ H 221: 220 μ H

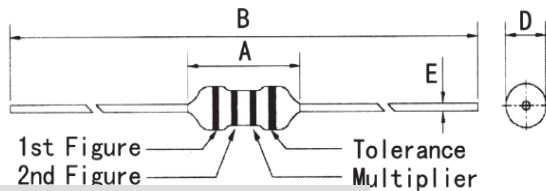
(J: \pm 5%; K: \pm 10%; L: \pm 15%;M: \pm 20%;P: \pm 25%; N: \pm 30%)

(5) .Lead free (環保標識)

(6) .CONFIGURATION (結構)

LF- Lead free HF-Halogen free FP-Free red phosphor

DIMENSIONS (Unit:mm)

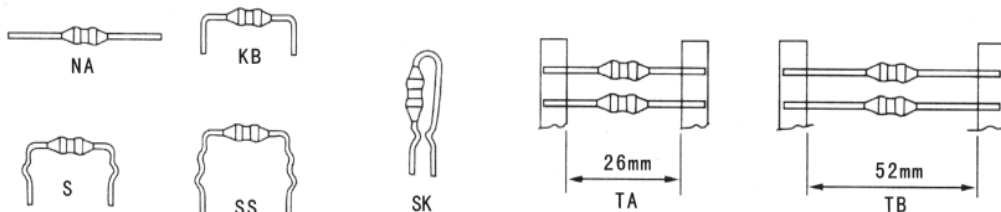


Part No.	A max	B \pm 2	D max	E
AL0204	4	60	2.4	0.45 \pm 0.05
AL0307	7	62	3	0.5 \pm 0.05
AL0410	10	62	4	0.6 \pm 0.05
AL0510	10	62	5	0.6 \pm 0.05

COLOR CODE (色碼)

COLOR 顏色	NOMINAL INDUCTANCE(μ H) 電感值			TOLERANCE 允許誤差
	FIRST FIGURE 第一環	SECOND FIGURE 第二環	MULTIPLIER 倍率	
black 黑	0		1	\pm 20%
brown 棕	1		10	—
red 紅	2		100	—
orange 橙	3		1000	—
yellow 黃	4		—	—
green 綠	5		—	—
blue 藍	6		—	—
violet 紫	7		—	—
grey 灰	8		—	—
white 白	9		—	—
gold 金	—		0.1	\pm 5%
silver 銀	—		0.01	\pm 10%

LEADS CONFIGURATION



※Design as Customer's Requested Specifications. (可按顧客的特殊需求設計)



■ PRODUCT SPECIFICATIONS

SERIES	PART NUMBER	INDUCTANCE (μH)	Q (min)	SRF(min) (MHz)	DCR(max) (Ω)	IDC(max) (mA)	TEST FREQUENCY (MHz)
AL0204	AL0204-R22M	0.22	35	150	0.20	705	25.2
	AL0204-R27M	0.27	35	150	0.22	670	25.2
	AL0204-R33M	0.33	35	150	0.24	645	25.2
	AL0204-R39M	0.39	35	150	0.27	605	25.2
	AL0204-R47M	0.47	35	150	0.30	575	25.2
	AL0204-R56M	0.56	35	150	0.34	540	25.2
	AL0204-R68M	0.68	35	150	0.38	510	25.2
	AL0204-R82M	0.82	35	150	0.43	480	25.2
	AL0204-1R0K	1.00	40	110	0.46	465	25.2
	AL0204-1R2K	1.20	40	80	0.52	435	7.96
	AL0204-1R5K	1.50	40	60	0.57	415	7.96
	AL0204-1R8K	1.80	40	45	0.60	405	7.96
	AL0204-2R2K	2.20	40	40	0.65	390	7.96
	AL0204-2R7K	2.70	40	38	0.73	370	7.96
	AL0204-3R3K	3.30	40	35	0.82	345	7.96
	AL0204-3R9K	3.90	40	32	0.90	330	7.96
	AL0204-4R7K	4.70	40	32	1.00	315	7.96
	AL0204-5R6K	5.60	40	30	1.10	300	7.96
	AL0204-6R8K	6.80	40	28	1.20	285	7.96
	AL0204-8R2K	8.20	40	26	1.30	275	7.96
	AL0204-100K	10.0	40	24	1.40	265	7.96
	AL0204-120K	12.0	40	22	1.50	255	2.52
	AL0204-150K	15.0	40	20	1.65	245	2.52
	AL0204-180K	18.0	40	18	1.90	225	2.52
	AL0204-220K	22.0	40	17	2.20	210	2.52
	AL0204-270K	27.0	40	16	2.50	200	2.52
	AL0204-330K	33.0	40	14	3.80	160	2.52
	AL0204-390K	39.0	40	13	4.20	150	2.52
	AL0204-470K	47.0	40	12	4.60	145	2.52
	AL0204-560K	56.0	40	11	5.10	140	2.52
	AL0204-680K	68.0	40	10	5.60	130	2.52
	AL0204-820K	82.0	40	9.5	9.60	100	2.52
AL0204-101K	100	40	9.0	10.8	95	2.52	
AL0204-121K	120	40	8.0	12.5	85	0.796	
AL0204-151K	150	40	6.0	14.5	80	0.796	
AL0204-181K	180	40	5.5	16.3	75	0.796	
AL0204-221K	220	40	5.0	20.0	70	0.796	

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SERIES	PART NUMBER	INDUCTANCE (μH)	Q (min)	SRF(min) (MHz)	DCR(max) (Ω)	IDC(max) (mA)	TEST FREQUENCY (MHz)
AL0307	AL0307-R22M	0.22	35	150	0.075	1150	25.2
	AL0307-R27M	0.27	35	150	0.08	1110	25.2
	AL0307-R33M	0.33	35	150	0.08	1110	25.2
	AL0307-R39M	0.39	35	150	0.09	1000	25.2
	AL0307-R47M	0.47	35	150	0.10	1000	25.2
	AL0307-R56M	0.56	40	150	0.11	950	25.2
	AL0307-R68M	0.68	40	150	0.12	900	25.2
	AL0307-R82M	0.82	40	150	0.12	900	25.2
	AL0307-1R0K	1.00	40	150	0.15	815	25.2
	AL0307-1R2K	1.20	50	144	0.18	740	7.96
	AL0307-1R5K	1.50	50	131	0.20	700	7.96
	AL0307-1R8K	1.80	50	110	0.23	655	7.96
	AL0307-2R2K	2.20	50	100	0.25	630	7.96
	AL0307-2R7K	2.70	50	94	0.28	595	7.96
	AL0307-3R3K	3.30	50	65	0.30	575	7.96
	AL0307-3R9K	3.90	50	56	0.32	555	7.96
	AL0307-4R7K	4.70	50	48	0.35	530	7.96
	AL0307-5R6K	5.60	50	37	0.40	500	7.96
	AL0307-6R8K	6.80	50	25	0.45	470	7.96
	AL0307-8R2K	8.20	50	21	0.55	425	7.96
	AL0307-100K	10.0	50	19	0.72	370	7.96
	AL0307-120K	12.0	50	17	0.80	350	2.52
	AL0307-150K	15.0	50	13	0.88	335	2.52
	AL0307-180K	18.0	50	9.6	1.00	315	2.52
	AL0307-220K	22.0	50	7.2	1.20	285	2.52
	AL0307-270K	27.0	50	6.3	1.35	270	2.52
	AL0307-330K	33.0	50	6.3	1.50	255	2.52
	AL0307-390K	39.0	50	6.3	1.70	240	2.52
	AL0307-470K	47.0	50	6.3	2.30	205	2.52
	AL0307-560K	56.0	50	6.2	2.60	195	2.52
	AL0307-680K	68.0	50	5.7	2.90	185	2.52
	AL0307-820K	82.0	50	5.3	3.20	175	2.52
	AL0307-101K	100	50	4.8	3.50	165	2.52
AL0307-121K	120	50	3.8	3.80	160	0.796	
AL0307-151K	150	50	3.5	4.40	150	0.796	
AL0307-181K	180	50	3.3	5.00	140	0.796	
AL0307-221K	220	50	3.0	5.70	130	0.796	
AL0307-271K	270	50	2.8	6.50	120	0.796	
AL0307-331K	330	50	2.6	9.50	100	0.796	
AL0307-391K	390	50	2.4	10.5	95	0.796	
AL0307-471K	470	50	2.25	11.6	90	0.796	
AL0307-561K	560	50	2.10	13.0	85	0.796	
AL0307-681K	680	50	1.95	18.0	75	0.796	
AL0307-821K	820	50	1.85	23.0	65	0.796	
AL0307-102K	1000	50	1.40	26.0	60	0.796	

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■ PRODUCT SPECIFICATIONS

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AL0410	AL0410-R22M	0.22	45.000	300.000	0.100	1400.000	25.200
	AL0410-R27M	0.27	45.000	270.000	0.110	1320.000	25.200
	AL0410-R33M	0.33	45.000	250.000	0.120	1280.000	25.200
	AL0410-R39M	0.39	45.000	230.000	0.130	1200.000	25.200
	AL0410-R47M	0.47	45.000	220.000	0.140	1150.000	25.200
	AL0410-R56M	0.56	45.000	200.000	0.150	1100.000	25.200
	AL0410-R68M	0.68	45.000	190.000	0.160	1030.000	25.200
	AL0410-R82M	0.82	45.000	172.000	0.170	980.000	25.200
	AL0410-1R0M	1.00	45.000	157.000	0.190	920.000	25.200
	AL0410-1R2M	1.20	50.000	144.000	0.210	880.000	7.960
	AL0410-1R5M	1.50	50.000	131.000	0.230	830.000	7.960
	AL0410-1R8M	1.80	55.000	121.000	0.250	790.000	7.960
	AL0410-2R2M	2.20	55.000	110.000	0.280	750.000	7.960
	AL0410-2R7M	2.70	60.000	100.000	0.300	720.000	7.960
	AL0410-3R3K	3.30	65.000	94.000	0.340	670.000	7.960
	AL0410-3R9K	3.90	65.000	55.000	0.370	640.000	7.960
	AL0410-4R7K	4.70	70.000	56.000	0.390	620.000	7.960
	AL0410-5R6K	5.60	70.000	48.000	0.430	590.000	7.960
	AL0410-6R8K	6.80	75.000	37.000	0.480	550.000	7.960
	AL0410-8R2K	8.20	80.000	25.000	0.520	530.000	7.960
	AL0410-100K	10.00	65.000	21.000	0.580	500.000	7.960
	AL0410-120K	12.00	50.000	19.000	0.630	480.000	2.520
	AL0410-150K	15.00	50.000	17.000	0.720	460.000	2.520
	AL0410-180K	18.00	50.000	13.000	0.770	430.000	2.520
	AL0410-220K	22.00	50.000	9.600	0.840	410.000	2.520
	AL0410-270K	27.00	55.000	7.200	0.940	390.000	2.520
	AL0410-330K	33.00	55.000	6.600	1.030	370.000	2.520
	AL0410-390K	39.00	50.000	6.600	1.120	350.000	2.520
	AL0410-470K	47.00	45.000	6.300	1.220	340.000	2.520
	AL0410-560K	56.00	40.000	6.200	1.340	320.000	2.520
	AL0410-680K	68.00	40.000	5.700	1.470	305.000	2.520
	AL0410-820K	82.00	35.000	5.300	1.620	290.000	2.520
	AL0410-101K	100.00	30.000	4.800	1.800	275.000	2.520
	AL0410-121K	120.00	55.000	3.800	3.700	185.000	0.796
	AL0410-151K	150.00	45.000	3.500	4.200	175.000	0.796
	AL0410-181K	180.00	50.000	3.300	4.600	165.000	0.796
	AL0410-221K	220.00	55.000	3.000	5.100	155.000	0.796
	AL0410-271K	270.00	65.000	2.800	5.800	145.000	0.796
	AL0410-331K	330.00	65.000	2.600	6.400	137.000	0.796
	AL0410-391K	390.00	65.000	2.400	7.000	133.000	0.796
AL0410-471K	470.00	60.000	2.250	7.700	126.000	0.796	
AL0410-561K	560.00	60.000	2.100	8.500	120.000	0.796	
AL0410-681K	680.00	55.000	1.950	9.400	113.000	0.796	
AL0410-821K	820.00	55.000	1.850	10.500	105.000	0.796	
AL0410-102K	1000.00	50.000	1.400	14.000	100.000	0.796	

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AL0510	AL0510-471K	470.00	60.000	1.900	7.700	126.000	0.796
	AL0510-561K	560.00	50.000	1.800	8.500	120.000	0.796
	AL0510-681K	680.00	55.000	1.500	9.000	113.000	0.796
	AL0510-821K	820.00	45.000	1.200	10.500	108.000	0.796
	AL0510-102K	1000.00	40.000	1.000	14.000	100.000	0.252
	AL0510-122K	1200.00	40.000	0.950	16.900	95.000	0.252
	AL0510-152K	1500.00	40.000	0.900	21.600	90.000	0.252
	AL0510-182K	1800.00	40.000	0.850	24.000	85.000	0.252
	AL0510-222K	2200.00	40.000	0.800	34.700	80.000	0.252
	AL0510-272K	2700.00	40.000	0.750	40.000	75.000	0.252
	AL0510-332K	3300.00	40.000	0.700	59.500	62.000	0.252
	AL0510-392K	3900.00	40.000	0.650	66.000	59.000	0.252
	AL0510-472K	4700.00	40.000	0.600	74.000	55.000	0.252
	AL0510-562K	5600.00	30.000	0.500	80.000	40.000	0.252
	AL0510-682K	6800.00	30.000	0.450	85.000	35.000	0.252
	AL0510-822K	8200.00	30.000	0.400	95.000	30.000	0.252
AL0510-103K	10000.00	20.000	0.350	105.000	25.000	0.252	

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