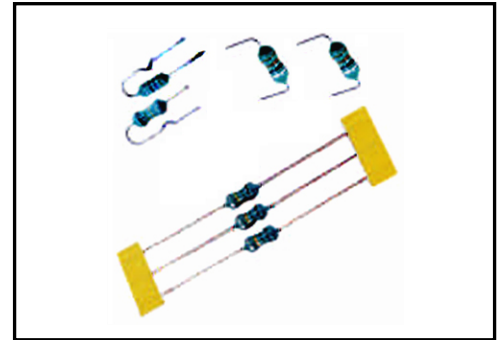


Leaded RF Chokes (Coating Inductors) 色碼電感

- AL0204 Series
- AL0307 Series
- AL0410 Series
- AL0510 Series

Features 特徵

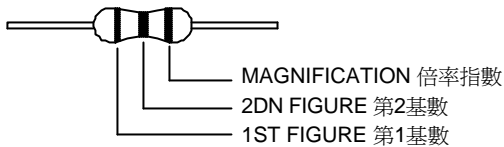
- Design to be compact, small and light-weight 節省體積, 重量輕
- Wide range of inductance 電感量範圍較寬
- Contribute to be high Q and self-resonant frequencies 高Q值與自鳴頻率
- Tapping type that is convenient for automatic insertion 可編帶適合自動插件
- Coating epoxy resin that ensure the humidity resistance to be long life 塗漆型確保耐濕絕緣長壽命



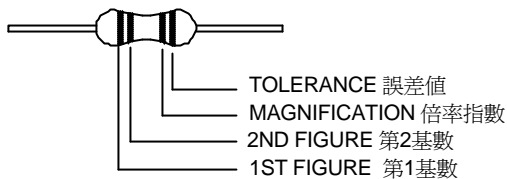
AL0410 - T - R22 - K - B



AL0204 Series



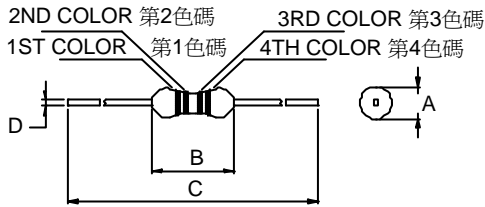
AL0307/ 0410/ 0510 Series



Color 色碼	Nominal Inductance (uH) 電感值			
	First Figure 第1基數	Second Figure 第2基數	Magnification 倍率指數	Tolerance 誤差值
Black 黑	0		1	±20%
Brown 棕	1		10	-
Red 紅	2		100	-
Orange 橘	3		1000	-
Yellow 黃	4		-	-
Green 綠	5		-	-
Blue 藍	6		-	-
Purple 紫	7		-	-
Gray 灰	8		-	-
White 白	9		-	-
Gold 金	-		0.1	±5%
Silver 銀	-		0.01	±10%

SHAPES & DIMENSIONS 外型與尺寸

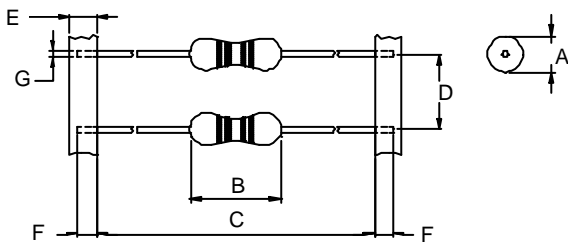
Bulk 散裝



Unit: mm

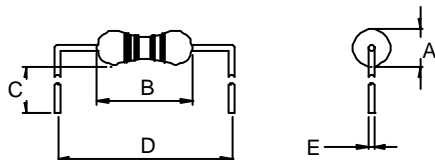
Size 尺寸	AL0204B	AL0307B	AL0410B	AL0510B
A	2.3 ⁺⁰	3 ⁺⁰	4 ⁺⁰	4.5 ⁺⁰
B	4 ⁺⁰	7 ⁺⁰	10.5 ⁺⁰	10.5 ⁺⁰
C	62±3			
D	0.5∅	0.5∅	0.65∅	

Tapping 帶裝



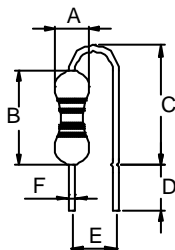
Size 尺寸	AL0204T	AL0307T	AL0410T	AL0510T
A	2.3 ⁺⁰	3 ⁺⁰	4 ⁺⁰	4.5 ⁺⁰
B	4 ⁺⁰	7 ⁺⁰	10.5 ⁺⁰	10.5 ⁺⁰
C	52.4±1.5			
D	5±0.5			
E	6±1			
F	3.2 ⁻⁰			
G	0.5∅	0.5∅	0.65∅	

Forming 成型



Size 尺寸	AL0204M	AL0307M	AL0410M	AL0510M
A	2.3 ⁺⁰	3 ⁺⁰	4 ⁺⁰	4.5 ⁺⁰
B	4 ⁺⁰	7 ⁺⁰	10.5 ⁺⁰	10.5 ⁺⁰
C	6±1			
D	10±1		12.5±1	
E	0.5∅	0.5∅	0.65∅	

Radial 立式



Size 尺寸	AL0204F	AL0307F	AL0410F	AL0510F
A	2.3 ⁺⁰	3 ⁺⁰	4 ⁺⁰	4.5 ⁺⁰
B	4 ⁺⁰	7 ⁺⁰	10.5 ⁺⁰	10.5 ⁺⁰
C	14 ⁺⁰			
D	6±1			
E	5±1.5			
F	0.5∅	0.5∅	0.65∅	

AL0204 SERIES

SPECIFICATION TABLE (1)

PART NUMBER	INDUCTANCE (μ H)	Q (min)	DCR (Ω) (max)	IDC (mA) (max)	SRF(MHz) (min)	TEST FREQ. (f)
AL0204-R10	0.10	35	0.180	700	300	25.2MHz
AL0204-R12	0.12	35	0.200	660	300	25.2MHz
AL0204-R15	0.15	35	0.220	620	300	25.2MHz
AL0204-R18	0.18	35	0.240	600	300	25.2MHz
AL0204-R22	0.22	35	0.400	400	150	25.2MHz
AL0204-R27	0.27	35	0.430	380	150	25.2MHz
AL0204-R33	0.33	35	0.480	370	150	25.2MHz
AL0204-R39	0.39	35	0.510	350	150	25.2MHz
AL0204-R47	0.47	35	0.560	330	150	25.2MHz
AL0204-R56	0.56	35	0.610	320	150	25.2MHz
AL0204-R68	0.68	35	0.670	310	150	25.2MHz
AL0204-R82	0.82	35	0.740	290	150	25.2MHz
AL0204-1R0	1.00	35	0.800	270	150	25.2MHz
AL0204-1R2	1.20	40	0.900	260	110	7.96MHz
AL0204-1R5	1.50	40	1.000	250	70	7.96MHz
AL0204-1R8	1.80	40	1.100	240	60	7.96MHz
AL0204-2R2	2.20	40	1.200	230	45	7.96MHz
AL0204-2R7	2.70	40	1.300	220	40	7.96MHz
AL0204-3R3	3.30	40	1.400	210	38	7.96MHz
AL0204-3R9	3.90	40	1.500	200	36	7.96MHz
AL0204-4R7	4.70	40	1.700	190	32	7.96MHz
AL0204-5R6	5.60	40	1.900	180	30	7.96MHz
AL0204-6R8	6.80	40	2.000	175	28	7.96MHz
AL0204-8R2	8.20	40	2.200	165	26	7.96MHz
AL0204-100	10.0	40	2.500	160	24	7.96MHz

AL0204 SERIES

SPECIFICATION TABLE (2)

PART NUMBER	INDUCTANCE (μ H)	Q (min)	DCR (Ω) (max)	IDC (mA) (max)	SRF(MHz) (min)	TEST FREQ. (f)
AL0204-120	12.0	40	2.500	150	22	2.52MHz
AL0204-150	15.0	40	2.800	145	20	2.52MHz
AL0204-180	18.0	40	3.100	140	18	2.52MHz
AL0204-220	22.0	40	3.400	100	17	2.52MHz
AL0204-270	27.0	40	4.300	80	16	2.52MHz
AL0204-330	33.0	40	4.700	75	14	2.52MHz
AL0204-390	39.0	40	5.200	74	13	2.52MHz
AL0204-470	47.0	40	5.800	70	12	2.52MHz
AL0204-560	56.0	40	6.400	68	11	2.52MHz
AL0204-680	68.0	40	7.200	64	10	2.52MHz
AL0204-820	82.0	40	11.000	46	9.5	2.52MHz
AL0204-101	100	40	12.000	44	9.0	2.52MHz
AL0204-121	120	40	13.000	42	8.0	0.796MHz
AL0204-151	150	40	16.000	39	6.0	0.796MHz
AL0204-181	180	40	18.000	37	5.0	0.796MHz
AL0204-221	220	40	20.000	35	5.0	0.796MHz
AL0204-271	270	40	25.000	25	4.6	0.796MHz
AL0204-331	330	40	30.000	25	4.2	0.796MHz
AL0204-391	390	40	34.000	25	3.8	0.796MHz
AL0204-471	470	40	38.000	24	3.5	0.796MHz
AL0204-561	560	40	42.000	24	3.2	0.796MHz
AL0204-681	680	40	46.000	24	2.0	0.796MHz
AL0204-821	8220	40	48.000	22	2.0	0.796MHz
AL0204-102	1000	40	50.000	22	1.5	0.796MHz

AL0307 SERIES

SPECIFICATION TABLE (1)

PART NUMBER	INDUCTANCE (μ H)	Q (min)	DCR (Ω) (max)	IDC (mA) (max)	SRF(MHz) (min)	TEST FREQ. (f)
AL0307-R10	0.10	40	0.060	1400	480	25.2MHz
AL0307-R12	0.12	40	0.060	1350	450	25.2MHz
AL0307-R15	0.15	40	0.070	1270	420	25.2MHz
AL0307-R18	0.18	40	0.070	1200	400	25.2MHz
AL0307-R22	0.22	40	0.080	1150	380	25.2MHz
AL0307-R27	0.27	40	0.085	1110	360	25.2MHz
AL0307-R33	0.33	40	0.095	1110	350	25.2MHz
AL0307-R39	0.39	40	0.100	1000	320	25.2MHz
AL0307-R47	0.47	40	0.110	1000	300	25.2MHz
AL0307-R56	0.56	40	0.120	950	280	25.2MHz
AL0307-R68	0.68	40	0.130	900	250	25.2MHz
AL0307-R82	0.82	40	0.140	900	200	25.2MHz
AL0307-1R0	1.00	40	0.150	815	180	25.2MHz
AL0307-1R2	1.20	40	0.180	740	165	7.96MHz
AL0307-1R5	1.50	40	0.200	700	150	7.96MHz
AL0307-1R8	1.80	50	0.230	655	125	7.96MHz
AL0307-2R2	2.20	50	0.250	630	110	7.96MHz
AL0307-2R7	2.70	50	0.280	595	95	7.96MHz
AL0307-3R3	3.30	50	0.300	575	70	7.96MHz
AL0307-3R9	3.90	50	0.320	555	65	7.96MHz
AL0307-4R7	4.70	50	0.350	530	50	7.96MHz
AL0307-5R6	5.60	50	0.400	500	40	7.96MHz
AL0307-6R8	6.80	50	0.450	470	30	7.96MHz
AL0307-8R2	8.20	50	0.560	425	28	7.96MHz
AL0307-100	10.0	50	0.750	370	22	7.96MHz

AL0307 SERIES

SPECIFICATION TABLE (2)

PART NUMBER	INDUCTANCE (μH)	Q (min)	DCR (Ω) (max)	IDC (mA) (max)	SRF(MHz) (min)	TEST FREQ. (f)
AL0307-120	12.0	50	0.800	350	20	2.52MHz
AL0307-150	15.0	50	0.930	335	16	2.52MHz
AL0307-180	18.0	50	1.000	315	15	2.52MHz
AL0307-220	22.0	50	1.200	285	13	2.52MHz
AL0307-270	27.0	50	1.800	270	11	2.52MHz
AL0307-330	33.0	50	2.100	255	10	2.52MHz
AL0307-390	39.0	50	2.300	240	9.5	2.52MHz
AL0307-470	47.0	50	2.600	205	8.5	2.52MHz
AL0307-560	56.0	50	2.900	195	7.5	2.52MHz
AL0307-680	68.0	50	3.300	185	6.5	2.52MHz
AL0307-820	82.0	50	3.800	175	6.0	2.52MHz
AL0307-101	100	50	4.200	165	5.5	2.52MHz
AL0307-121	120	60	4.700	160	5.4	0.796MHz
AL0307-151	150	60	5.400	150	4.7	0.796MHz
AL0307-181	180	60	6.000	140	4.3	0.796MHz
AL0307-221	220	60	7.000	130	4.0	0.796MHz
AL0307-271	270	60	7.700	120	3.7	0.796MHz
AL0307-331	330	60	11.100	100	3.4	0.796MHz
AL0307-391	390	60	12.600	95	2.8	0.796MHz
AL0307-471	470	60	14.000	90	2.5	0.796MHz
AL0307-561	560	60	15.500	85	2.3	0.796MHz
AL0307-681	680	60	25.300	75	2.0	0.796MHz
AL0307-821	820	60	27.500	65	1.5	0.796MHz
AL0307-102	1000	60	31.400	60	1.2	0.796MHz

AL0410 SERIES

SPECIFICATION TABLE (1)

PART NUMBER	INDUCTANCE (μH)	Q (min)	DCR (Ω) (max)	IDC (mA) (max)	SRF(MHz) (min)	TEST FREQ. (f)
AL0410-R10	0.10	25	0.060	1700	480	25.2MHz
AL0410-R12	0.12	25	0.060	1640	450	25.2MHz
AL0410-R15	0.15	25	0.070	1560	420	25.2MHz
AL0410-R18	0.18	25	0.070	1480	400	25.2MHz
AL0410-R22	0.22	25	0.080	1400	380	25.2MHz
AL0410-R27	0.27	25	0.090	1320	340	25.2MHz
AL0410-R33	0.33	25	0.100	1280	300	25.2MHz
AL0410-R39	0.39	25	0.120	1200	280	25.2MHz
AL0410-R47	0.47	25	0.130	1150	250	25.2MHz
AL0410-R56	0.56	25	0.140	1100	230	25.2MHz
AL0410-R68	0.68	25	0.150	1030	210	25.2MHz
AL0410-R82	0.82	45	0.160	980	172	25.2MHz
AL0410-1R0	1.00	45	0.170	920	157	25.2MHz
AL0410-1R2	1.20	50	0.180	880	144	7.96MHz
AL0410-1R5	1.50	50	0.200	830	131	7.96MHz
AL0410-1R8	1.80	55	0.220	790	121	7.96MHz
AL0410-2R2	2.20	55	0.240	750	110	7.96MHz
AL0410-2R7	2.70	60	0.250	720	100	7.96MHz
AL0410-3R3	3.30	65	0.300	670	94	7.96MHz
AL0410-3R9	3.90	65	0.350	640	86	7.96MHz
AL0410-4R7	4.70	70	0.400	620	80	7.96MHz
AL0410-5R6	5.60	70	0.450	590	74	7.96MHz
AL0410-6R8	6.80	75	0.500	550	68	7.96MHz
AL0410-8R2	8.20	80	0.600	530	53	7.96MHz
AL0410-100	10.0	80	0.650	500	45	7.96MHz

AL0410 SERIES

SPECIFICATION TABLE (2)

PART NUMBER	INDUCTANCE (μH)	Q (min)	DCR (Ω) (max)	IDC (mA) (max)	SRF(MHz) (min)	TEST FREQ. (f)
AL0410-120	12.0	75	0.700	480	34	2.52MHz
AL0410-150	15.0	70	0.750	460	20	2.52MHz
AL0410-180	18.0	65	0.800	430	14	2.52MHz
AL0410-220	22.0	50	0.900	410	9.9	2.52MHz
AL0410-270	27.0	55	1.000	390	7.6	2.52MHz
AL0410-330	33.0	55	1.100	370	6.3	2.52MHz
AL0410-390	39.0	50	1.200	350	6.3	2.52MHz
AL0410-470	47.0	45	1.300	340	6.3	2.52MHz
AL0410-560	56.0	40	1.500	320	6.2	2.52MHz
AL0410-680	68.0	40	1.800	305	5.7	2.52MHz
AL0410-820	82.0	35	2.000	290	5.3	2.52MHz
AL0410-101	100	30	2.500	275	4.8	2.52MHz
AL0410-121	120	70	3.000	185	3.8	0.796MHz
AL0410-151	150	70	4.200	175	3.5	0.796MHz
AL0410-181	180	70	4.600	165	3.3	0.796MHz
AL0410-221	220	70	5.100	155	3.0	0.796MHz
AL0410-271	270	65	6.000	145	2.8	0.796MHz
AL0410-331	330	65	6.500	137	2.6	0.796MHz
AL0410-391	390	65	7.500	133	2.4	0.796MHz
AL0410-471	470	60	8.500	126	2.2	0.796MHz
AL0410-561	560	60	9.500	120	2.1	0.796MHz
AL0410-681	680	55	12.000	113	1.9	0.796MHz
AL0410-821	820	55	14.000	105	1.8	0.796MHz
AL0410-102	1000	50	20.000	85	1.4	0.796MHz

AL0510 SERIES

SPECIFICATION TABLE

PART NUMBER	INDUCTANCE	Q	DCR (Ω)	IDC (mA)	F (KHz)	F (KHz)
	(mH)(L)	(min)	(max)	(max)	For "L"	For "Q"
AL0510-122	1.20	60	14.50	120	1.0	252
AL0510-152	1.50	60	16.50	120	1.0	252
AL0510-182	1.80	60	19.00	120	1.0	252
AL0510-222	2.20	60	27.50	120	1.0	252
AL0510-272	2.70	60	40.00	60	1.0	252
AL0510-332	3.30	50	50.00	60	1.0	252
AL0510-392	3.90	50	53.00	60	1.0	252
AL0510-472	4.70	50	60.00	60	1.0	252
AL0510-562	5.60	50	64.00	60	1.0	252
AL0510-682	6.80	50	73.00	60	1.0	252
AL0510-822	8.20	30	80.00	60	1.0	252
AL0510-103	10.00	25	132.00	30	1.0	79.6
AL0510-123	12.00	25	143.00	30	1.0	79.6
AL0510-153	15.00	25	166.00	30	1.0	79.6
AL0510-183	18.00	25	185.00	30	1.0	79.6
AL0510-223	22.00	20	330.00	15	1.0	79.6
AL0510-273	27.00	20	370.00	15	1.0	79.6
AL0510-303	30.00	20	390.00	15	1.0	79.6
AL0510-333	33.00	20	426.00	15	1.0	79.6
AL0510-393	39.00	20	473.00	15	1.0	79.6