

Colorful band inductor



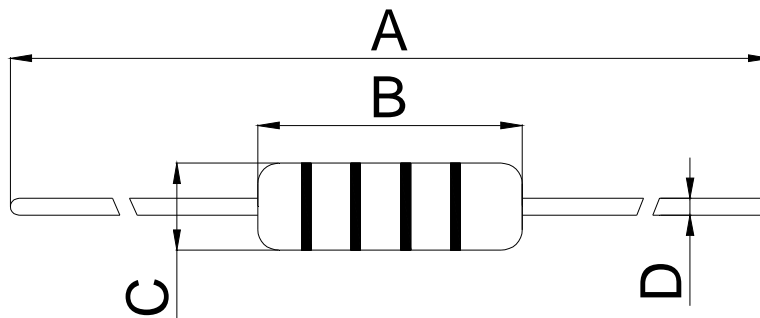
Features

- Ø Through hole profile
- Ø Wide range of inductance
- Ø Wide variety for sizes and specifications
- Ø Small mounting space
- Ø RoHS compatible
- Ø Operating temperature: -20 to 80°C
- Ø Treated using epoxy coating to ensure high reliability
- Ø Ammo or Reel packing for automatic insertion

Benefits

- Ø Rapid prototyping available
- Ø Optional Ammo or Reel packing for automatic insertion
- Ø Custom design is available
- Ø Lost cost

Mechanicals (in mm):



Series	A(Ref.)	B(Max.)	C(Min.)	D
AL0204	61.0	4.0	2.4	0.45
AL 0307	61.0	7.0	3.0	0.5
AL 0410	61.0	9.5	4.2	0.6
AL 0510	61.0	12.0	5.0	0.65

Remark: AL0204 series are with 3 colorful bands



AL0204 series

Part No.	Inductance	Q	Frequency of L/Q	S.R.F. MHz(Typ.)	DCR	Rated DC current		
	(uH)	Min.	(MHz)	MHz(Typ.)	(Ω) Max.	(mA) Max.		
AL0204-R22M	0.22±20%	40	25.2	175	0.2	705		
AL0204-R27M	0.27±20%			160	0.22	670		
AL0204-R33M	0.33±20%			150	0.24	645		
AL0204-R39M	0.39±20%			150	0.27	605		
AL0204-R47M	0.47±20%			150	0.3	575		
AL0204-R56M	0.56±20%			150	0.34	540		
AL0204-R68M	0.68±20%			150	0.38	510		
AL0204-R82M	0.82±20%			150	0.43	480		
AL0204-1R0K	1.0±10%			150	0.46	465		
AL0204-1R2K	1.2±10%	50	7.96	110	0.52	435		
AL0204-1R5K	1.5±10%			80	0.57	415		
AL0204-1R8K	1.8±10%			66	0.6	405		
AL0204-2R2K	2.2±10%			60	0.65	390		
AL0204-2R7K	2.7±10%			54	0.73	370		
AL0204-3R3K	3.3±10%			48	0.82	345		
AL0204-3R9K	3.9±10%			44	0.9	330		
AL0204-4R7K	4.7±10%			38	1	315		
AL0204-5R6K	5.6±10%			34	1.1	300		
AL0204-6R8K	6.8±10%			30	1.2	285		
AL0204-8R2K	8.2±10%			26	1.3	275		
AL0204-100K	10±10%			24	1.4	265		
AL0204-120K	12±10%			40	2.52	22	1.5	255
AL0204-150K	15±10%					20	1.65	245
AL0204-180K	18±10%					18	1.9	225
AL0204-220K	22±10%	17	2.2			210		
AL0204-270K	27±10%	16	2.5			200		
AL0204-330K	33±10%	14	3.8			160		
AL0204-390K	39±10%	13	4.2			150		
AL0204-470K	47±10%	12	4.6			145		
AL0204-560K	56±10%	11	5.1			140		
AL0204-680K	68±10%	10	5.6			130		
AL0204-820K	82±10%	9.5	9.6	100				
AL0204-101K	100±10%	8	10.8	95				
AL0204-121K	120±10%	40	0.796	6.5	12.5	85		
AL0204-151K	150±10%			6	14.5	80		
AL0204-181K	180±10%			5.5	16.3	75		
AL0204-221K	220±10%			5	20	70		



AL0307 series

Part No.	Inductance (uH)	Q Min.	Frequency of L/Q (MHZ)	S.R.F (MHz) Typ.	Resistance (Ω) Max.	Rated DC Current (mA) Max.
AL0307-R22M	0.22±20%	30	25.2	240.0	0.075	1150
AL0307-R27M	0.27±20%			220.0	0.080	1110
AL0307-R33M	0.33±20%			210.0	0.080	1110
AL0307-R39M	0.39±20%			190.0	0.090	1000
AL0307-R47M	0.47±20%			185.0	0.100	1000
AL0307-R56M	0.56±20%			180.0	0.110	950
AL0307-R68M	0.68±20%			175.0	0.120	900
AL0307-R82M	0.82±20%			170.0	0.150	900
AL0307-1R0K	1.0±10%			40	7.96	165.0
AL0307-1R2K	1.2±10%	150.0	0.200			740
AL0307-1R5K	1.5±10%	120.0	0.200			700
AL0307-1R8K	1.8±10%	50	7.96	80.0	0.230	655
AL0307-2R2K	2.2±10%			55.0	0.250	630
AL0307-2R7K	2.7±10%			50.0	0.280	595
AL0307-3R3K	3.3±10%	45	7.96	40.0	0.300	575
AL0307-3R9K	3.9±10%			38.0	0.320	555
AL0307-4R7K	4.7±10%			35.0	0.350	530
AL0307-5R6K	5.6±10%	40	7.96	32.0	0.400	500
AL0307-6R8K	6.8±10%			30.0	0.450	470
AL0307-8R2K	8.2±10%			28.0	0.550	425
AL0307-100K	10±10%	50	2.52	22.0	0.720	370
AL0307-120K	12±10%			20.0	0.800	350
AL0307-150K	15±10%			16.0	0.880	335
AL0307-180K	18±10%			15.0	1.00	315
AL0307-220K	22±10%			13.0	1.20	285
AL0307-270K	27±10%			11.0	1.35	270
AL0307-330K	33±10%			10.0	1.50	255
AL0307-390K	39±10%			9.50	1.70	240
AL0307-470K	47±10%			8.50	2.30	205
AL0307-560K	56±10%	40	2.52	7.50	2.60	185
AL0307-680K	68±10%			6.50	2.90	180
AL0307-820K	82±10%			6.00	3.20	170
AL0307-101K	100±10%	40	0.796	5.50	3.80	145
AL0307-121K	120±10%			5.40	3.90	140
AL0307-151K	150±10%			4.75	4.40	150
AL0307-181K	180±10%			4.35	5.00	140
AL0307-221K	220±10%			4.00	5.70	160
AL0307-271K	270±10%			3.70	6.50	120
AL0307-331K	330±10%			3.40	9.50	100
AL0307-391K	390±10%			2.80	10.50	95
AL0307-471K	470±10%			2.55	11.60	90
AL0307-561K	560±10%			2.35	13.00	80
AL0307-681K	680±10%			2.00	18.00	65
AL0307-821K	820±10%			1.50	23.00	55
AL0307-102K	1000±10%			1.20	26.00	50



AL0410 series

Part No.	Inductance (uH)	Q Min.	Frequency of L/Q (MHZ)	S.R.F (MHz) Typ.	Resistance (Ω) Max.	Rated DC Current (mA) Max.		
AL0410-R22M	0.22±20%	40	25.2	380.0	0.210	880		
AL0410-R27M	0.27±20%			340.0	0.240	800		
AL0410-R33M	0.33±20%			300.0	0.280	750		
AL0410-R39M	0.39±20%			280.0	0.320	680		
AL0410-R47M	0.47±20%			250.0	0.360	650		
AL0410-R56M	0.56±20%			230.0	0.410	600		
AL0410-R68M	0.68±20%			210.0	0.470	550		
AL0410-R82M	0.82±20%			45	172.0	0.170	980	
AL0410-1R0K	1.0±10%	157.0	0.190		920			
AL0410-1R2K	1.2±10%	50	7.96	144.0	0.210	880		
AL0410-1R5K	1.5±10%			131.0	0.230	830		
AL0410-1R8K	1.8±10%			121.0	0.250	790		
AL0410-2R2K	2.2±10%			110.0	0.280	750		
AL0410-2R7K	2.7±10%	60	7.96	100.0	0.300	720		
AL0410-3R3K	3.3±10%			94.0	0.340	650		
AL0410-3R9K	3.9±10%			86.0	0.370	620		
AL0410-4R7K	4.7±10%			80.0	0.390	600		
AL0410-5R6K	5.6±10%			74.0	0.430	590		
AL0410-6R8K	6.8±10%			68.0	0.480	550		
AL0410-8R2K	8.2±10%			53.0	0.520	530		
AL0410-100K	10±10%			45.0	0.580	500		
AL0410-120K	12±10%			50	2.52	34.0	0.630	480
AL0410-150K	15±10%					20.0	0.720	460
AL0410-180K	18±10%	14.0	0.770			430		
AL0410-220K	22±10%	9.90	0.840			410		
AL0410-270K	27±10%	7.60	0.940			390		
AL0410-330K	33±10%	6.30	1.03			370		
AL0410-390K	39±10%	6.30	1.12			350		
AL0410-470K	47±10%	6.30	1.22			340		
AL0410-560K	56±10%	40	6.20			1.34	320	
AL0410-680K	68±10%		5.70			1.47	305	
AL0410-820K	82±10%	35	2.52	5.30	1.62	290		
AL0410-101K	100±10%			4.80	1.80	275		
AL0410-121K	120±10%	50	0.796	3.80	3.70	185		
AL0410-151K	150±10%			3.50	4.20	175		
AL0410-181K	180±10%			3.30	4.60	165		
AL0410-221K	220±10%			3.00	5.10	155		
AL0410-271K	270±10%			2.80	5.80	145		
AL0410-331K	330±10%			2.60	6.40	137		
AL0410-391K	390±10%			2.40	7.00	133		
AL0410-471K	470±10%			2.25	7.70	126		
AL0410-461K	460±10%			2.10	8.50	120		
AL0410-681K	680±10%			35	1.95	9.40	113	
AL0410-821K	820±10%	1.85	10.50		100			
AL0410-102K	1000±10%	50		1.40	14.00	100		



AL0510 series

Part No.	Inductance (μ H)	Q Min.	Frequency of L/Q (MHZ)	S.R.F (MHz) Typ.	Resistance (Ω) Max.	Rated DC Current (mA) Max.
AL0510-R56K	0.56 \pm 10%	10	25.2	90.0	0.140	1150
AL0510-R68K	0.68 \pm 10%			85.0	0.150	1100
AL0510-R82K	0.82 \pm 10%			80.0	0.220	900
AL0510-1R0K	1.0 \pm 10%			75.0	0.290	785
AL0510-1R2K	1.2 \pm 10%		7.96	70.0	0.420	650
AL0510-1R5K	1.5 \pm 10%			65.0	0.500	600
AL0510-1R8K	1.8 \pm 10%			60.0	0.650	525
AL0510-2R2K	2.2 \pm 10%			60.0	0.950	435
AL0510-2R7K	2.7 \pm 10%			55.0	1.00	385
AL0510-3R3K	3.3 \pm 10%			50.0	1.10	300
AL0510-3R9K	3.9 \pm 10%			45.0	1.20	280
AL0510-4R7K	4.7 \pm 10%			40.0	1.30	260
AL0510-5R6K	5.6 \pm 10%	15	40.0	1.35	495	
AL0510-6R8K	6.8 \pm 10%		35.0	1.45	395	
AL0510-8R2K	8.2 \pm 10%		25.0	1.47	360	
AL0510-100K	10 \pm 10%		20.0	1.49	290	
AL0510-120K	12 \pm 10%	20	2.52	18.0	1.53	265
AL0510-151K	15 \pm 10%	30		15.0	1.68	240
AL0510-180K	18 \pm 10%			10.0	2.20	185
AL0510-220K	22 \pm 10%	30		8.00	2.60	175
AL0510-270K	27 \pm 10%			8.00	2.00	170
AL0510-330K	33 \pm 10%			7.80	2.30	165
AL0510-390K	39 \pm 10%			7.60	2.50	165
AL0510-470K	47 \pm 10%	20		7.40	2.60	165
AL0510-560K	56 \pm 10%			7.20	3.00	164
AL0510-680K	68 \pm 10%			7.00	3.30	156
AL0510-820K	82 \pm 10%			6.80	3.90	143
AL0510-101K	100 \pm 10%			5.00	4.50	133
AL0510-121K	120 \pm 10%		0.796	4.50	5.20	124
AL0510-151K	150 \pm 10%	4.00		5.40	114	
AL0510181K	180 \pm 10%	25		3.50	5.60	108
AL0510-221K	220 \pm 10%	30	0.796	3.00	5.80	103
AL0510-271K	270 \pm 10%			2.50	6.00	103
AL0510-331K	330 \pm 10%			2.30	6.10	102
AL0510-391K	390 \pm 10%	35		2.00	6.30	102
AL0510-471K	470 \pm 10%			1.50	6.40	100
AL0510-561K	560 \pm 10%			1.20	6.40	85
AL0510-681K	680 \pm 10%	30		1.20	6.50	81
AL0510-821K	820 \pm 10%			1.15	6.50	70
AL0510-102K	1000 \pm 10%			1.00	7.00	60

