



Chilisin Electronics Singapore Pte Ltd

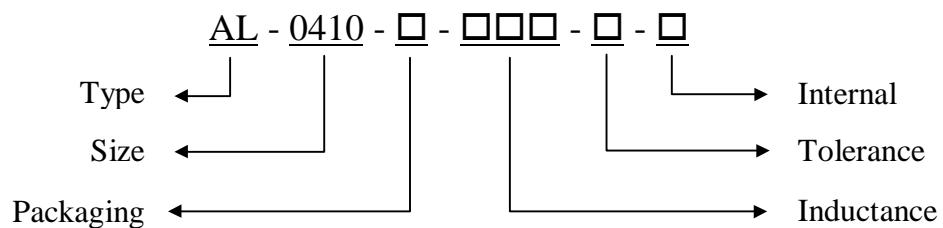
Axial Leaded Inductors, AL Series

Feature:

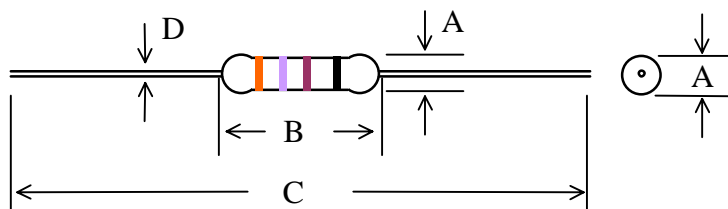


- Small Size, light weight and Low cost
- Wide range of Inductance
- High Q Performance
- High Self Resonant Frequency (SRF)

Ordering Code:



Dimension in mm:



Product	A	B	C	D
AL-0204-□-□□□-□-□	2.3mm Max	4.0mm Max	62mm ± 3mm	0.5mm
AL-0307-□-□□□-□-□	3.0mm Max	7.0mm Max	62mm ± 3mm	0.65mm
AL-0410-□-□□□-□-□	4.0mm Max	10.5mm Max	62mm ± 3mm	0.65mm

Electrical:

Part Number	Inductance	Current
AL-0204-□-□□□-□-□	0.22 μH to 220 μH	400 mA to 35 mA
AL-0307-□-□□□-□-□	0.22 μH to 1000 μH	400 mA to 40 mA
AL-0410-□-□□□-□-□	0.22 μH to 1000 μH	1400 mA to 1000 mA

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Axial Leaded Inductors, AL Series

AL - 0204 Series

Electrical Characteristics:

Part Number	Inductance μH	Q min	Test Freq. MHz	SRF MHz Min	DCR Ω Max	IDC mA Max
AL-0204-□-R22M-□	0.22 ± 20%	35	25.2	150	0.40	400
AL-0204-□-R27M-□	0.27 ± 20%	35	25.2	150	0.43	380
AL-0204-□-R33M-□	0.33 ± 20%	35	25.2	150	0.48	370
AL-0204-□-R39M-□	0.39 ± 20%	35	25.2	150	0.51	350
AL-0204-□-R47M-□	0.47 ± 20%	35	25.2	150	0.56	330
AL-0204-□-R56M-□	0.56 ± 20%	35	25.2	150	0.61	320
AL-0204-□-R68M-□	0.68 ± 20%	35	25.2	150	0.67	310
AL-0204-□-R82M-□	0.82 ± 20%	35	25.2	150	0.74	290
AL-0204-□-1R0□-□	1.0 ± 20% ±10%	35	25.2	120	0.80	270
AL-0204-□-1R2□-□	1.2 ± 20% ±10%	40	7.96	110	0.90	260
AL-0204-□-1R5□-□	1.5 ± 20% ±10%	40	7.96	80	1.0	250
AL-0204-□-1R8□-□	1.8 ± 20% ±10%	40	7.96	60	1.1	240
AL-0204-□-2R2□-□	2.2 ± 20% ±10%	40	7.96	45	1.2	230
AL-0204-□-2R7□-□	2.7 ± 20% ±10%	40	7.96	40	1.3	220
AL-0204-□-3R3□-□	3.3 ± 20% ±10%	40	7.96	38	1.4	210
AL-0204-□-3R9□-□	3.9 ± 20% ±10%	40	7.96	25	1.6	200
AL-0204-□-4R7□-□	4.7 ± 20% ±10%	40	7.96	32	1.7	190
AL-0204-□-5R6□-□	5.6 ± 20% ±10%	40	7.96	30	1.9	180
AL-0204-□-6R8□-□	6.8 ± 20% ±10%	40	7.96	28	2.0	175
AL-0204-□-8R2□-□	8.2 ± 20% ±10%	40	7.96	26	2.2	165
AL-0204-□-100□-□	10.0 ± 20% ±10%	40	7.96	24	2.5	160
AL-0204-□-120□-□	12.0 ± 20% ±10%	40	2.52	22	2.5	150
AL-0204-□-150□-□	15.0 ± 20% ±10%	40	2.52	20	2.8	145
AL-0204-□-180□-□	18.0 ± 20% ±10%	40	2.52	18	3.1	140
AL-0204-□-220□-□	22.0 ± 20% ±10%	40	2.52	17	3.4	130
AL-0204-□-270□-□	27.0 ± 20% ±10%	40	2.52	16	4.3	80
AL-0204-□-330□-□	33.0 ± 20% ±10%	40	2.52	14	4.7	76
AL-0204-□-390□-□	39.0 ± 20% ±10%	40	2.52	13	5.2	74
AL-0204-□-470□-□	47.0 ± 20% ±10%	40	2.52	12	5.8	70
AL-0204-□-560□-□	56.0 ± 20% ±10%	40	2.52	11	6.4	68
AL-0204-□-680□-□	68.0 ± 20% ±10%	40	2.52	10	7.2	64
AL-0204-□-820□-□	82.0 ± 20% ±10%	40	2.52	9.5	11	46
AL-0204-□-101□-□	100.0 ± 20% ±10%	40	2.52	9.0	12	44
AL-0204-□-121□-□	120.0 ± 20% ±10%	40	0.796	8.0	13	42
AL-0204-□-151□-□	150.0 ± 20% ±10%	40	0.796	6.0	16	39
AL-0204-□-181□-□	170.0 ± 20% ±10%	40	0.796	5.5	18	37
AL-0204-□-221□-□	220.0 ± 20% ±10%	40	0.796	5.0	20	35

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Axial Leaded Inductors, AL Series

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Electrical Characteristics:

Part Number	Inductance μH	Q min	Test Freq. MHz	SRF MHz Min	DCR Ω Max	IDC mA Max
AL-0307-□-R22M-□	$0.22 \pm 20\%$	45	25.2	150	0.20	400
AL-0307-□-R27M-□	$0.27 \pm 20\%$	45	25.2	150	0.22	380
AL-0307-□-R33M-□	$0.33 \pm 20\%$	45	25.2	150	0.24	370
AL-0307-□-R39M-□	$0.39 \pm 20\%$	50	25.2	150	0.26	350
AL-0307-□-R47M-□	$0.47 \pm 20\%$	45	25.2	150	0.28	330
AL-0307-□-R56M-□	$0.56 \pm 20\%$	50	25.2	150	0.31	320
AL-0307-□-R68M-□	$0.68 \pm 20\%$	50	25.2	150	0.34	310
AL-0307-□-R82M-□	$0.82 \pm 20\%$	55	25.2	150	0.37	290
AL-0307-□-1R0-□-□	$1.0 \pm 20\% \pm 10\%$	60	25.2	150	0.40	270
AL-0307-□-1R2-□-□	$1.2 \pm 20\% \pm 10\%$	45	7.96	140	0.45	260
AL-0307-□-1R5-□-□	$1.5 \pm 20\% \pm 10\%$	50	7.96	131	0.50	250
AL-0307-□-1R8-□-□	$1.8 \pm 20\% \pm 10\%$	45	7.96	121	0.55	240
AL-0307-□-2R2-□-□	$2.2 \pm 20\% \pm 10\%$	40	7.96	100	0.60	230
AL-0307-□-2R7-□-□	$2.7 \pm 20\% \pm 10\%$	55	7.96	95	0.65	220
AL-0307-□-3R3-□-□	$3.3 \pm 20\% \pm 10\%$	40	7.96	90	0.75	210
AL-0307-□-3R9-□-□	$3.9 \pm 20\% \pm 10\%$	50	7.96	60	0.85	200
AL-0307-□-4R7-□-□	$4.7 \pm 20\% \pm 10\%$	55	7.96	55	0.90	190
AL-0307-□-5R6-□-□	$5.6 \pm 20\% \pm 10\%$	50	7.96	45	0.95	180
AL-0307-□-6R8-□-□	$6.8 \pm 20\% \pm 10\%$	45	7.96	30	1.10	175
AL-0307-□-8R2-□-□	$8.2 \pm 20\% \pm 10\%$	45	7.96	25	1.20	165
AL-0307-□-100-□-□	$10.0 \pm 20\% \pm 10\%$	45	7.96	21	1.30	160
AL-0307-□-120-□-□	$12.0 \pm 20\% \pm 10\%$	50	2.52	18	1.50	150
AL-0307-□-150-□-□	$15.0 \pm 20\% \pm 10\%$	50	2.52	16	1.70	145

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Electrical Characteristics:

Part Number	Inductance μH	Q min	Test Freq. MHz	SRF MHz Min	DCR Ω Max	IDC mA Max
AL-0307-□-180-□-□	18.0 \pm 20% \pm 10%	40	2.52	13	1.80	140
AL-0307-□-220-□-□	22.0 \pm 20% \pm 10%	45	2.52	10	2.00	130
AL-0307-□-270-□-□	27.0 \pm 20% \pm 10%	50	2.52	9	2.40	125
AL-0307-□-330-□-□	33.0 \pm 20% \pm 10%	50	2.52	8	2.70	120
AL-0307-□-390-□-□	39.0 \pm 20% \pm 10%	45	2.52	7	2.80	115
AL-0307-□-470-□-□	47.0 \pm 20% \pm 10%	50	2.52	7	3.00	110
AL-0307-□-560-□-□	56.0 \pm 20% \pm 10%	50	2.52	6.5	3.30	105
AL-0307-□-680-□-□	68.0 \pm 20% \pm 10%	45	2.52	6.0	3.80	100
AL-0307-□-820-□-□	82.0 \pm 20% \pm 10%	50	2.52	5.3	4.50	95
AL-0307-□-101-□-□	100.0 \pm 20% \pm 10%	45	2.52	4.8	5.00	90
AL-0307-□-121-□-□	120.0 \pm 20% \pm 10%	40	0.796	3.8	6.00	90
AL-0307-□-151-□-□	150.0 \pm 20% \pm 10%	40	0.796	3.5	7.00	85
AL-0307-□-181-□-□	170.0 \pm 20% \pm 10%	40	0.796	3.3	8.00	80
AL-0307-□-221-□-□	220.0 \pm 20% \pm 10%	40	0.796	3.0	9.00	75
AL-0307-□-271-□-□	270.0 \pm 20% \pm 10%	40	0.796	2.8	19.00	65
AL-0307-□-331-□-□	330.0 \pm 20% \pm 10%	40	0.796	2.6	20.00	60
AL-0307-□-391-□-□	390.0 \pm 20% \pm 10%	40	0.796	2.4	22.00	55
AL-0307-□-471-□-□	470.0 \pm 20% \pm 10%	40	0.796	2.3	24.00	55
AL-0307-□-561-□-□	560.0 \pm 20% \pm 10%	40	0.796	2.1	26.00	50
AL-0307-□-681-□-□	680.0 \pm 20% \pm 10%	40	0.796	1.95	28.00	45
AL-0307-□-821-□-□	820.0 \pm 20% \pm 10%	40	0.796	1.85	30.00	40
AL-0307-□-102-□-□	1000.0 \pm 20% \pm 10%	40	0.796	1.40	33.00	40

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Axial Leaded Inductors, AL Series

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Electrical Characteristics:

Part Number	Inductance μH	Q min	Test Freq. MHz	SRF MHz Min	DCR Ω Max	IDC mA Max
AL-0410-□-R22M-□	$0.22 \pm 20\%$	50	25.2	300	0.12	1400
AL-0410-□-R27M-□	$0.27 \pm 20\%$	50	25.2	260	0.13	1320
AL-0410-□-R33M-□	$0.33 \pm 20\%$	55	25.2	250	0.14	1280
AL-0410-□-R39M-□	$0.39 \pm 20\%$	55	25.2	230	0.15	1200
AL-0410-□-R47M-□	$0.47 \pm 20\%$	50	25.2	220	0.17	1150
AL-0410-□-R56M-□	$0.56 \pm 20\%$	50	25.2	200	0.18	1100
AL-0410-□-R68M-□	$0.68 \pm 20\%$	55	25.2	190	0.20	1030
AL-0410-□-R82M-□	$0.82 \pm 20\%$	55	25.2	172	0.21	980
AL-0410-□-1R0-□-□	$1.0 \pm 20\% \pm 10\%$	45	25.2	157	0.21	920
AL-0410-□-1R2-□-□	$1.2 \pm 20\% \pm 10\%$	50	7.96	144	0.22	880
AL-0410-□-1R5-□-□	$1.5 \pm 20\% \pm 10\%$	50	7.96	131	0.23	830
AL-0410-□-1R8-□-□	$1.8 \pm 20\% \pm 10\%$	55	7.96	121	0.28	790
AL-0410-□-2R2-□-□	$2.2 \pm 20\% \pm 10\%$	55	7.96	110	0.28	750
AL-0410-□-2R7-□-□	$2.7 \pm 20\% \pm 10\%$	60	7.96	100	0.30	720
AL-0410-□-3R3-□-□	$3.3 \pm 20\% \pm 10\%$	65	7.96	94	0.34	670
AL-0410-□-3R9-□-□	$3.9 \pm 20\% \pm 10\%$	65	7.96	65	0.37	640
AL-0410-□-4R7-□-□	$4.7 \pm 20\% \pm 10\%$	70	7.96	56	0.39	620
AL-0410-□-5R6-□-□	$5.6 \pm 20\% \pm 10\%$	70	7.96	50	0.43	590
AL-0410-□-6R8-□-□	$6.8 \pm 20\% \pm 10\%$	75	7.96	40	0.49	550
AL-0410-□-8R2-□-□	$8.2 \pm 20\% \pm 10\%$	80	7.96	35	0.55	530
AL-0410-□-100-□-□	$10.0 \pm 20\% \pm 10\%$	65	7.96	30	0.63	500
AL-0410-□-120-□-□	$12.0 \pm 20\% \pm 10\%$	55	2.52	25	0.65	480
AL-0410-□-150-□-□	$15.0 \pm 20\% \pm 10\%$	55	2.52	20	0.81	460

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Axial Leaded Inductors, AL Series

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Electrical Characteristics:

Part Number	Inductance μH	Q min	Test Freq. MHz	SRF MHz Min	DCR Ω Max	IDC mA Max
AL-0410-□-180-□-□	$18.0 \pm 20\% \pm 10\%$	50	2.52	14	0.82	430
AL-0410-□-220-□-□	$22.0 \pm 20\% \pm 10\%$	50	2.52	9	0.95	410
AL-0410-□-270-□-□	$27.0 \pm 20\% \pm 10\%$	45	2.52	7	1.05	390
AL-0410-□-330-□-□	$33.0 \pm 20\% \pm 10\%$	45	2.52	6	1.05	370
AL-0410-□-390-□-□	$39.0 \pm 20\% \pm 10\%$	45	2.52	6	1.10	350
AL-0410-□-470-□-□	$47.0 \pm 20\% \pm 10\%$	40	2.52	6	1.31	340
AL-0410-□-560-□-□	$56.0 \pm 20\% \pm 10\%$	40	2.52	5.5	1.38	320
AL-0410-□-680-□-□	$68.0 \pm 20\% \pm 10\%$	40	2.52	5.0	1.62	305
AL-0410-□-820-□-□	$82.0 \pm 20\% \pm 10\%$	35	2.52	5.0	1.71	290
AL-0410-□-101-□-□	$100.0 \pm 20\% \pm 10\%$	30	2.52	4.5	3.10	275
AL-0410-□-121-□-□	$120.0 \pm 20\% \pm 10\%$	55	0.796	3.5	3.10	185
AL-0410-□-151-□-□	$150.0 \pm 20\% \pm 10\%$	55	0.796	3.0	3.45	175
AL-0410-□-181-□-□	$170.0 \pm 20\% \pm 10\%$	55	0.796	2.8	4.10	165
AL-0410-□-221-□-□	$220.0 \pm 20\% \pm 10\%$	60	0.796	2.5	4.54	155
AL-0410-□-271-□-□	$270.0 \pm 20\% \pm 10\%$	65	0.796	2.3	5.15	145
AL-0410-□-331-□-□	$330.0 \pm 20\% \pm 10\%$	60	0.796	2.0	6.40	137
AL-0410-□-391-□-□	$390.0 \pm 20\% \pm 10\%$	65	0.796	2.0	7.15	133
AL-0410-□-471-□-□	$470.0 \pm 20\% \pm 10\%$	65	0.796	1.9	7.70	126
AL-0410-□-561-□-□	$560.0 \pm 20\% \pm 10\%$	65	0.796	1.8	8.50	120
AL-0410-□-681-□-□	$680.0 \pm 20\% \pm 10\%$	65	0.796	1.5	9.00	113
AL-0410-□-821-□-□	$820.0 \pm 20\% \pm 10\%$	65	0.796	1.2	10.5	105
AL-0410-□-102-□-□	$1000.0 \pm 20\% \pm 10\%$	65	0.796	1.0	14.0	100

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