

KOA SPEER SMD Inductors



Value Code	Inductance
047	0.047μH
068	0.068μH
082	0.082μH
R12	0.12μH
R15	0.15μH
R18	0.18μH
R10	0.1μH
R22	0.22μH
R27	0.27μH
R33	0.33μH
R39	0.39μH
R47	0.47μH
R56	0.56μH
R68	0.68μH
R82	0.82μH
1N2	1.2nH
1R2	1.2μH
1N5	1.5nH
1R5	1.5μH

Value Code	Inductance
1R7	1.7μH
1N8	1.8nH
1R8	1.8μH
102	1000μH
R10	100nH
101	100μH
10N	10nH
100	10μH
110	11μH
121	120μH
12N	12nH
120	12μH
141	140μH
152	1500μH
R15	150nH
151	150μH
15N	15nH
150	15μH
170	17μH

Value Code	Inductance
182	1800μH
R18	180nH
181	180μH
18N	18nH
180	18μH
190	19μH
1N0	1nH
1R0	1μH
2N2	2.2nH
2R2	2.2μH
2N7	2.7nH
2R7	2.7μH
202	2000μH
201	200μH
222	2200μH
R22	220nH
221	220μH
22N	22nH
220	22μH

Value Code	Inductance
260	26μH
R27	270nH
271	270μH
27N	27nH
270	27μH
3N3	3.3nH
3R3	3.3μH
3N9	3.9nH
3R9	3.9μH
301	300μH
300	30μH
310	31μH
332	3300μH
R33	330μH
331	330μH
33N	33nH
330	33μH
391	390μH
39N	39nH

Value Code	Inductance
390	39μH
4N7	4.7nH
4R7	4.7μH
401	400μH
400	40μH
421	420μH
450	45μH
472	4700μH
471	470μH
47N	47nH
470	47μH
5N6	5.6nH
5R6	5.6μH
500	50μH
561	560μH
56N	56nH
560	56μH
050	5μH
6N8	6.8nH

Value Code	Inductance
6R8	6.8μH
601	600μH
600	60μH
650	65μH
682	6800μH
681	680μH
68N	68nH
680	68μH
700	70μH
751	750μH
750	75μH
070	7μH
8N2	8.2nH
8R2	8.2μH
800	80μH
821	820μH
82N	82nH
820	82μH
900	90μH

CZB, CZP, MCL, MHL SERIES

Features for CZP and CZB:

- Designed to reduce noise at high frequencies
- Nickel barrier with solder overcoat for excellent solderability
- Magnetically shielded

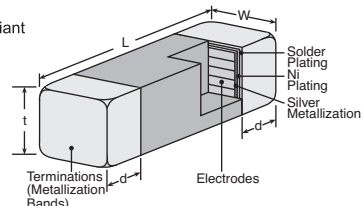
Features for MCL:

- Monolithic structure for closed magnetic path eliminates cross-talk and provides high reliability in a wide temperature and humidity range
- Nickel barrier with solder overcoat for excellent solderability
- Magnetically shielded

Features for MHL:

- Monolithic structure provides high reliability in a wide temperature and humidity range
- High quality ceramic material and unique manufacturing process provides high Q at high frequency
- Nickel barrier with solder overcoat for excellent solderability

MOUSER STOCK NO.	Inductance Value	Size	Price Each				Reel
			1	100	500	1000	
CZB Series							
660-CZB1JGTTT-Code-P	30μH - 100μH	0603	.09	.08	.07	.06	.039
660-CZB1JGTTT-Code-P	120μH - 1000μH	0603	.10	.09	.07	.06	.042
660-CZB1JGTTT-Code-P	1500μH - 2000μH	0603	.23	.20	.17	.15	.102
660-CZB2AFITTE-Code-P	5μH - 80μH	0805	.10	.08	.07	.06	.042
660-CZB2AGITTE-Code-P	90μH - 400μH	0805	.10	.08	.07	.06	.042
660-CZB2AGITTE-Code-P	420μH - 600μH	0805	.11	.10	.08	.07	.048
660-CZB2AGITTE-Code-P	750μH - 1000μH	0805	.12	.10	.09	.07	.05
660-CZB2AGITTE-Code-P	1500μH - 2200μH	0805	.26	.22	.19	.16	.112
CZP Series							
660-CZP1JFTTE-Code-P	5μH - 60μH	0603	.12	.11	.09	.075	.053
			1	100	500	1000	3000
660-CZP2BFTTE-Code-P	19μH - 80μH	1206	.11	.10	.08	.07	.056
660-CZP2BFTTE-Code-P	90μH - 600μH	1206	.12	.11	.09	.075	.06
			1	100	500	1000	4000
MCL Series							
660-MCL1JHTTE-Code-K	0.068μH - 0.33μH	0603	.25	.22	.19	.17	.12
660-MCL1JHTTE-Code-K	0.39μH - 0.82μH	0603	.26	.23	.20	.17	.13
660-MCL1JHTTE-Code-K	1μH - 120μH	0603	.26	.23	.20	.17	.13
			1	100	500	1000	3000
660-MCL2AHTTE-Code-K	0.047μH - 0.47μH	0805	.25	.22	.19	.17	.14
660-MCL2AHTTE-Code-K	0.56μH - 0.82μH	0805	.26	.23	.20	.17	.14
660-MCL2AJTTE-Code-K	1μH - 6.8μH	0805	.29	.26	.23	.20	.16
660-MCL2BJTTE-Code-K	0.047μH - 0.82μH	1206	.25	.22	.19	.17	.14
660-MCL2BJTTE-Code-K	1μH - 1.2μH	1206	.25	.22	.19	.17	.14
660-MCL2BJTTE-Code-K	1.5μH - 4.7μH	1206	.26	.23	.20	.17	.14
660-MCL2BJTTE-Code-K	5.6μH - 18μH	1206	.29	.26	.23	.20	.16
MHL Series							
660-MHL1ECTTP-Code-J	1μH - 100μH	0402	.34	.30	.26	.23	.17
			1	100	500	1000	10000
660-MHL1JCTTD-Code-J	1μH - 220μH	0603	.43	.38	.33	.29	.21
660-MHL2ACTTE-Code-J	1.5μH - 27μH	0805	S.J	S.J	S.J	S.J	S.J
660-MHL2ACTTE-Code-J	33μH - 330μH	0805	S.J	S.J	S.J	S.J	S.J

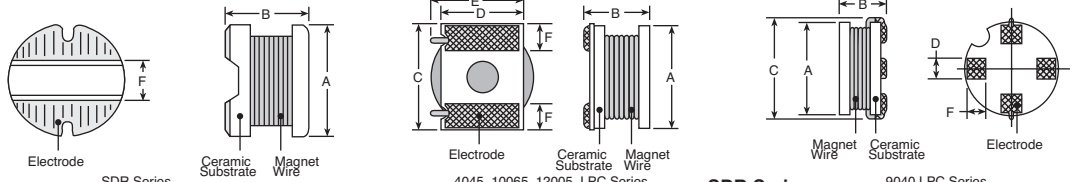


Size	Dimensions: in. (mm)			
	L	W	t	d (Max.)
(0603)	.063±.006 (1.6±0.15)	.031±.006 (0.8±0.15)	.031±.006 (0.8±0.15)	.014±.006 (0.36±0.15)
(1206)	.126±.008 (3.2±0.2)	.063±.008 (1.6±0.2)	.043±.008 (1.1±0.2)	.02±.01 (0.51±0.25)
(0402)	.039±.004 (1.0±0.1)	.02±.004 (0.5±0.1)	.02±.004 (0.5±0.1)	.01±.004 (0.25±0.1)
(0805)	.079±.008 (2.0±0.2)	.049±.008 (1.25±0.2)	.035±.012~39nH (0.9±0.3)	.02±.012 (0.50±0.3)
			.039±.012~39nH (1.0±0.3)	
			.035±.012~39nH (0.9±0.3)	

LPC, SDR SERIES

Features for LPC:

- Small size allows for high mounting density
- Suitable for reflow soldering
- Large DC current capacity with low DC resistance
- Polarity identification available
- Marking: Black body color with no marking



Features for SDR:

- Suitable for reflow soldering
- High current capability up to 2 Amps
- Low DCR
- Marking: Black body color with black marking

MOUSER STOCK NO.	Inductance Value	Size	Price Each				Reel
			1	100	500	1000	
LPC Series							
660-LPC4045A-Code-M	1μH - 680μH	4045	.65	.55	.49	.47	.43
660-LPC9040A-Code-K	10μH - 680μH	9040	.88	.74	.67	.63	.58
			1	100	300	600	1200
660-LPC10065A-Code-M	0.68μH - 3300μH	10065	1.63	1.56	1.43	1.37	1.30
660-LPC10065A-Code-K	10μH - 680μH	10065	1.63	1.56	1.43	1.37	1.30
660-LPC12065A-Code-N	0.68μH - 470μH	12065	1.69	1.62	1.49	1.42	1.35
660-LPC12065A-Code-M	3.3μH - 6.8μH	12065	1.69	1.62	1.49	1.42	1.35
660-LPC12065A-Code-K	10μH - 47μH	12065	1.69	1.62	1.49	1.42	1.35
			1	100	500	1000	4000
SDR Series							
660-SDR0805T-Code-M	10μH - 27μH	0805	1.65	1.51	1.38	1.24	.99
660-SDR0805T-Code-K	33μH - 470μH	0805	1.71	1.57	1.43	1.28	1.03
660-SDR1006T-Code-M	10μH - 27μH	1006	1.73	1.58	1.44	1.29	1.04
660-SDR1006T-Code-K	33μH - 820μH	1006	1.80	1.65	1.50	1.35	1.08



SDR Series

Size Code	Dimensions: in. (mm)		
	A	B	F (Typ.)
0604	.220±.008 (5.6±0.2)	.177±.012 (4.5±0.3)	0.071 (1.8)
0805	.295±.012 (7.5±0.3)	.197±.012 (5.0±0.3)	0.102 (2.6)
1006	.374±.012 (9.5±0.3)	.217±.012 (5.5±0.3)	0.114 (2.9)

LPC Series

Size Code	Dimensions: in. (mm)					
	A	B	C	D	E	F
4045	0.157±.008 (4.0±0.2)	.169±.009 (4.3±0.2)	.177±.008 (4.5±0.2)	.118±.008 (3.0±0.2)	.138 (3.5)	.039±.012 (1.0±0.3)
	0.354±.004 (9.0±0.1)	.193 Max. (4.9 Max.)	.402 Max. (10.2 Max.)	.079±.008 (2.0±0.2)	—	.071±.008 (1.8±0.2)
9040	0.394±.008 (10.0±0.2)	.295 Max. (7.5 Max.)	.409±.008 (10.4±0.2)	.315±.008 (8.0±0.2)	0.354 (9.0)	.098±.008 (2.5±0.2)
	0.472±.008 (12.0±0.2)	.295 Max. (7.5 Max.)	.488±.008 (12.4±0.2)	.472±.008 (10.0±0.2)	.433 (11.0)	.146±.012 (3.7±0.3)