

# 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:

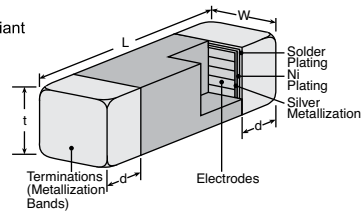
- Monolithic structure for closed magnetic path eliminates crosstalk and provides high reliability in a wide temperature and humidity range
- Nickel barrier with solder overcoat for excellent solderability
- Magnetically shielded

### 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	
<b>CZB Series</b>							
660-CZB1JGTTT-Code-P	30µH - 100µH	0603					
660-CZB1JGTTT-Code-P	120µH - 1000µH	0603					
660-CZB1JGTTT-Code-P	1500µH - 2000µH	0603					
660-CZB2AFTT-Code-P	5µH - 80µH	0805					
660-CZB2AGTT-Code-P	90µH - 400µH	0805					
660-CZB2AGTT-Code-P	420µH - 600µH	0805					
660-CZB2AGTT-Code-P	750µH - 1000µH	0805					
660-CZB2AGTT-Code-P	1500µH - 2200µH	0805					
<b>CZP Series</b>							
660-CZP1JFTT-Code-P	5µH - 60µH	0603					3000
660-CZP2BFTT-Code-P	19µH - 80µH	1206					
660-CZP2BFTT-Code-P	90µH - 600µH	1206					
<b>MCL Series</b>							4000
660-MCL1JHTT-Code-K	0.068µH - 0.33µH	0603					
660-MCL1JHTT-Code-K	0.39µH - 0.82µH	0603					
660-MCL1JHTT-Code-K	1µH - 120µH	0603					3000
660-MCL2AHTT-Code-K	0.047µH - 0.47µH	0805					
660-MCL2AHTT-Code-K	0.56µH - 0.82µH	0805					
660-MCL2AJTT-Code-K	1µH - 6.8µH	0805					
660-MCL2BHJT-Code-K	0.047µH - 0.82µH	1206					
660-MCL2BJTT-Code-K	1µH - 1.2µH	1206					
660-MCL2BJTT-Code-K	1.5µH - 4.7µH	1206					
660-MCL2BJTT-Code-K	5.6µH - 18µH	1206					10000
660-MHL1ECTT-Code-J	1µH - 100µH	0402					4000
660-MHL1JCTTD-Code-J	1µH - 220µH	0603					

RoHS Compliant



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)	

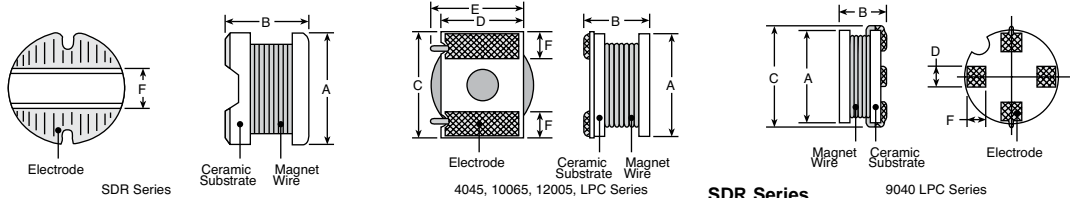
## LPC, SDR SERIES

### 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	
<b>LPC Series</b>							
660-LPC4045A-Code-M	1µH - 680µH	4045					
660-LPC9040A-Code-K	10µH - 680µH	9040					
			1	100	300	600	1200
660-LPC10065A-Code-M	0.68µH - 3300µH	10065					
660-LPC10065A-Code-K	10µH - 680µH	10065					
660-LPC12065A-Code-N	0.68µH - 470µH	12065					
660-LPC12065A-Code-M	3.3µH - 6.8µH	12065					
660-LPC12065A-Code-K	10µH - 47µH	12065					
<b>SDR Series</b>							
660-SDR0805T-Code-M	10µH - 27µH	0805					
660-SDR0805T-Code-K	33µH - 470µH	0805					
660-SDR1006T-Code-M	10µH - 27µH	1006					
660-SDR1006T-Code-K	33µH - 820µH	1006					

RoHS Compliant

### 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	∅.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)
9040	∅.354±.004 (∅9.0±0.05)	.193 Max. (4.9 Max.)	.402 Max. (10.2 Max.)	.079±.008 (2.0±0.2)	—	.071±.008 (1.8±0.2)
10065	∅.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)
12065	∅.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)