

FASTRON Chip Inductors

RoHS Compliant This product is RoHS compliant.

WIRE WOUND CHIP INDUCTORS

FASTRON wire wound chip inductors are designed particularly for RF applications that require optimal Q on high frequency circuits. Its gold flash pad metallization provides better solderability for a higher yield in production. Their casing protects the winding and allows surface mount assembly. It comes in reel packing. Inductance values between those listed in this catalog are mostly available on request. Ferrite core versions available for high inductance in a small case size.

Applications:

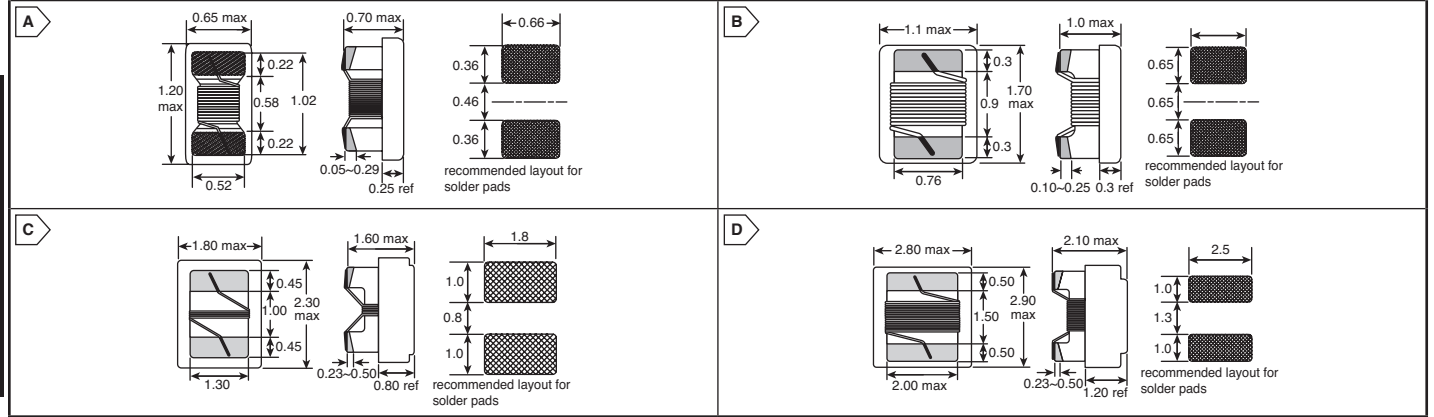
- Used in LC resonant circuits such as oscillator and signal generators, impedance matching, circuit isolation, RF filters, etc.
- Mobile Telecommunication: GSM, CDMA, TCDMA, cordless phones, 2 way radio
- Automotive Subsystems: TPMS, Keyless Entry, Anti-Theft, GPS
- Wireless Communication: LAN, WIFI, WIMAX, RFID, Bluetooth, ZigBee

Specifications:

- Operating Temp: -40°C to +125°C
- Ceramic core type
- Tolerance: 5%
- Gold plated terminals

RoHS Compliant

DIMENSIONS: mm



MOUSER STOCK NO.	Fastron Part No.	Fig.	Inductance (nH)	Q Min.	Test Freq. (MHz)	SRF MHz (min)	DCR (Ω) (Max.)	Rated DC Current (mA)	Price Each				Reel Quantity	Price Per Piece
									1	50	100	500		
0402AS Series														
434-0402AS-2N7J-08	0402AS-2N7J-08	A	2.7	16	250	6000	0.12	640	.43	.35	.28	.22	2000	.188
434-0402AS-4N3J-08	0402AS-4N3J-08	A	4.3	18	250	6000	0.091	700	.43	.35	.28	.22	2000	.188
434-0402AS-5N1J-08	0402AS-5N1J-08	A	5.1	23	250	4800	0.083	800	.43	.35	.28	.22	2000	.188
434-0402AS-5N6J-08	0402AS-5N6J-08	A	5.6	22	250	4800	0.11	760	.43	.35	.28	.22	2000	.188
434-0402AS-6N2J-08	0402AS-6N2J-08	A	6.2	20	250	4800	0.11	760	.43	.35	.28	.22	2000	.188
434-0402AS-6N8J-08	0402AS-6N8J-08	A	6.8	21	250	4800	0.1	680	.43	.35	.28	.22	2000	.188
434-0402AS-8N2J-08	0402AS-8N2J-08	A	8.2	24	250	4400	0.1	680	.43	.35	.28	.22	2000	.188
434-0402AS-010J-08	0402AS-010J-08	A	10	21	250	3900	0.2	480	.43	.35	.28	.22	2000	.188
434-0402AS-012J-08	0402AS-012J-08	A	12	24	250	3600	0.17	640	.43	.35	.28	.22	2000	.188
434-0402AS-015J-08	0402AS-015J-08	A	15	24	250	3280	0.17	560	.43	.35	.28	.22	2000	.188
434-0402AS-016J-08	0402AS-016J-08	A	16	24	250	3100	0.22	560	.43	.35	.28	.22	2000	.188
434-0402AS-018J-08	0402AS-018J-08	A	18	25	250	3100	0.23	420	.43	.35	.28	.22	2000	.188
434-0402AS-020J-08	0402AS-020J-08	A	20	25	250	3000	0.25	420	.43	.35	.28	.22	2000	.188
434-0402AS-022J-08	0402AS-022J-08	A	22	25	250	2800	0.3	400	.43	.35	.28	.22	2000	.188
434-0402AS-027J-08	0402AS-027J-08	A	27	24	250	2480	0.3	400	.43	.35	.28	.22	2000	.188
434-0402AS-033J-08	0402AS-033J-08	A	33	24	250	2350	0.3	320	.43	.35	.28	.22	2000	.188
434-0402AS-039J-08	0402AS-039J-08	A	39	25	250	2100	0.55	200	.43	.35	.28	.22	2000	.188
434-0402AS-047J-08	0402AS-047J-08	A	47	25	250	2100	0.83	150	.43	.35	.28	.22	2000	.188
434-0402AS-056J-08	0402AS-056J-08	A	56	25	250	1760	0.97	100	.43	.35	.28	.22	2000	.188
434-0402AS-068J-08	0402AS-068J-08	A	68	25	250	1620	0.97	100	.43	.35	.28	.22	2000	.188
434-0402AS-082J-08	0402AS-082J-08	A	82	18	100	1070	1.2	80	.43	.35	.28	.22	2000	.188
434-0402AS-R12J-08	0402AS-R12J-08	A	120	12	100	580	1.3	75	.47	.38	.31	.242	2000	.207
0603AS Series														
434-0603AS-2N2J-01	0603AS-2N2J-01	B	2.2	10	250	5900	.17	170	.34	.22	.21	.18	4000	.143
434-0603AS-3N3J-01	0603AS-3N3J-01	B	3.3	22	250	6000	.10	700	.34	.22	.21	.18	4000	.143
434-0603AS-4N7J-01	0603AS-4N7J-01	B	4.7	25	250	6000	.07	700	.34	.22	.21	.18	4000	.143
434-0603AS-010J-01	0603AS-010J-01	B	10	31	250	4800	.13	700	.34	.22	.21	.18	4000	.143
434-0603AS-012J-01	0603AS-012J-01	B	12	35	250	4000	.13	700	.34	.22	.21	.18	4000	.143
434-0603AS-027J-01	0603AS-027J-01	B	27	40	250	2800	.22	600	.34	.22	.21	.18	4000	.143
434-0603AS-033J-01	0603AS-033J-01	B	33	40	250	2300	.22	600	.34	.22	.21	.18	4000	.143
434-0603AS-068J-01	0603AS-068J-01	B	68	37	200	1700	.34	600	.34	.22	.21	.18	4000	.143
434-0603AS-R10J-01	0603AS-R10J-01	B	100	34	150	1400	.58	400	.34	.22	.21	.18	4000	.143
434-0603AS-R12J-01	0603AS-R12J-01	B	120	34	150	1300	.65	300	.34	.22	.21	.18	4000	.143
434-0603AS-R18J-01	0603AS-R18J-01	B	180	32	100	1100	1.20	200	.34	.22	.21	.18	4000	.143
434-0603AS-R22J-01	0603AS-R22J-01	B	220	30	100	1000	1.60	150	.34	.22	.21	.18	4000	.143
0805AS Series														
434-0805AS-3N3J-01	0805AS-3N3J-01	C	3.3	50	250	6000	.08	600	.38	.31	.27	.21	2500	.15
434-0805AS-6N8J-01	0805AS-6N8J-01	C	6.8	50	250	5500	.11	600	.38	.31	.27	.21	2500	.15
434-0805AS-010J-01	0805AS-010J-01	C	10	43	250	4300	.13	600	.38	.31	.27	.21	2500	.15
434-0805AS-015J-01	0805AS-015J-01	C	15	50	250	3400	.17	600	.38	.31	.27	.21	2500	.15
434-0805AS-033J-01	0805AS-033J-01	C	33	60	250	2050	.27	500	.38	.31	.27	.21	2500	.15
434-0805AS-056J-01	0805AS-056J-01	C	56	64	200	1550	.34	500	.38	.31	.27	.21	2500	.15
434-0805AS-068J-01	0805AS-068J-01	C	68	65	200	1450	.38	400	.38	.31	.27	.21	2500	.15
434-0805AS-082J-01	0805AS-082J-01	C	82	67	150	1300	.42	400	.38	.31	.27	.21	2500	.15
434-0805AS-R10J-01	0805AS-R10J-01	C	100	65	150	1200	.46	400	.38	.31	.27	.21	2500	.15
434-0805AS-R22J-01	0805AS-R22J-01	C	220	59	100	850	.70	400	.38	.31	.27	.21	2500	.15
434-0805AS-R33J-01	0805AS-R33J-01	C	330	40	100	790	1.8	260	.38	.31	.27	.21	2500	.15
434-0805AS-R47J-01	0805AS-R47J-01	C	470	40	100	720	2.5	170	.38	.31	.27	.21	2500	.15
434-0805AS-R68J-01	0805AS-R68J-01	C	680	37	50	600	4.0	170	.38	.31	.27	.21	2500	.15
434-0805AS-1R0J-01	0805AS-1R0J-01	C	1000	23	25	215	2.35	180	.38	.31	.27	.21	2500	.15
1008AS Series														
434-1008AS-010J-01	1008AS-010J-01	D	10	50	50	4100	.08	1000	.29	.24	.21	.16	2000	.127
434-1008AS-033J-01	1008AS-033J-01	D	33	65	50	1600	.14	1000	.29	.24	.21	.16	2000	.127
434-1008AS-068J-01	1008AS-068J-01	D	68	67	50	1300	.20	1000	.29	.24	.21	.16	2000	.127
434-1008AS-082J-01	1008AS-082J-01	D	82	63	50	1000	.22	1000	.29	.24	.21	.16	2000	.13
434-1008AS-R10J-01	1008AS-R10J-01	D	100	63	25	1000	.56	650	.29	.24	.21	.16	2000	.127
434-1008AS-R47J-01	1008AS-R47J-01	D	470	54	25	450	1.19	470	.29	.24	.21	.16	2000	.13
434-1008AS-1R5J-01	1008AS-1R5J-01	D	1500	35	7.9	200	2.3	330	.32	.26	.23	.18	2000	.14