

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

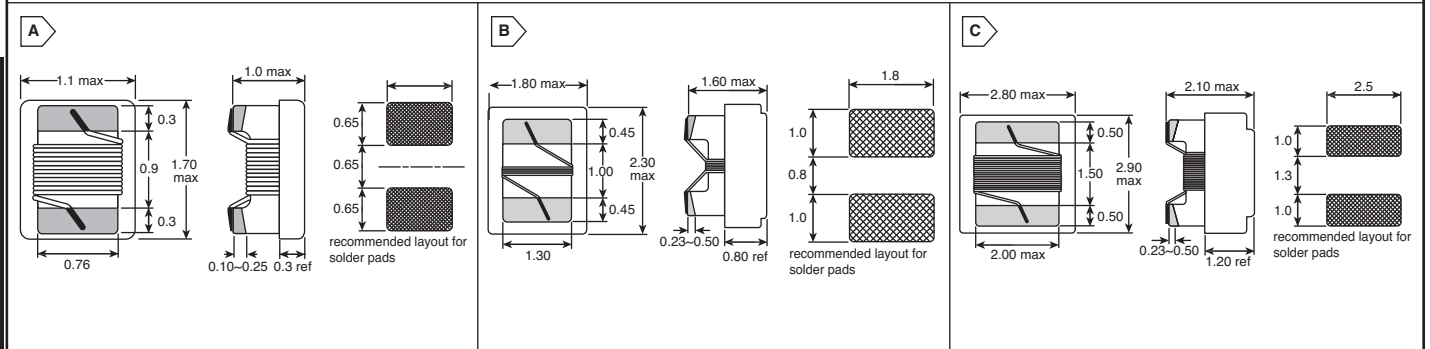
Specifications:

- Operating Temp: -55°C to +125°C
- Ceramic core type
- Tolerance: 5%



RoHS Compliant

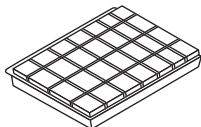
DIMENSIONS: mm



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	Reel Price Ea.
									1	50	100	500		
0603AS Series														
434-0603AS-2N2J-01	0603AS-2N2J-01	A	2.2	10	250	5900	.17	170	.18	.12	.11	.095	4000	.075
434-0603AS-3N3J-01	0603AS-3N3J-01	A	3.3	22	250	6000	.10	700	.18	.12	.11	.095	4000	.075
434-0603AS-4N7J-01	0603AS-4N7J-01	A	4.7	25	250	6000	.07	700	.18	.12	.11	.095	4000	.075
434-0603AS-010J-01	0603AS-010J-01	A	10	31	250	4800	.13	700	.18	.12	.11	.095	4000	.075
434-0603AS-012J-01	0603AS-012J-01	A	12	35	250	4000	.13	700	.18	.12	.11	.095	4000	.075
434-0603AS-015J-01	0603AS-015J-01	A	15	35	250	4000	.17	700	.18	.12	.11	.095	4000	.075
434-0603AS-018J-01	0603AS-018J-01	A	18	35	250	3100	.17	700	.18	.12	.11	.095	4000	.075
434-0603AS-027J-01	0603AS-027J-01	A	27	40	250	2800	.22	600	.18	.12	.11	.095	4000	.075
434-0603AS-033J-01	0603AS-033J-01	A	33	40	250	2300	.22	600	.18	.12	.11	.095	4000	.075
434-0603AS-047J-01	0603AS-047J-01	A	47	38	200	2000	.28	600	.18	.12	.11	.095	4000	.075
434-0603AS-068J-01	0603AS-068J-01	A	68	37	200	1700	.34	600	.18	.12	.11	.095	4000	.075
434-0603AS-R10J-01	0603AS-R10J-01	A	100	34	150	1400	.58	400	.18	.12	.11	.095	4000	.075
434-0603AS-R12J-01	0603AS-R12J-01	A	120	34	150	1300	.65	300	.18	.12	.11	.095	4000	.075
434-0603AS-R15J-01	0603AS-R15J-01	A	150	32	150	1200	.90	200	.18	.12	.11	.095	4000	.075
434-0603AS-R18J-01	0603AS-R18J-01	A	180	32	100	1100	1.20	200	.18	.12	.11	.095	4000	.075
434-0603AS-R22J-01	0603AS-R22J-01	A	220	30	100	1000	1.60	150	.18	.12	.11	.095	4000	.075
0805AS Series														
434-0805AS-3N3J-01	0805AS-3N3J-01	B	3.3	50	250	6000	.08	600	.24	.20	.17	.13	2500	.094
434-0805AS-6N8J-01	0805AS-6N8J-01	B	6.8	50	250	5500	.11	600	.24	.20	.17	.13	2500	.094
434-0805AS-010J-01	0805AS-010J-01	B	10	43	250	4300	.13	600	.24	.20	.17	.13	2500	.094
434-0805AS-015J-01	0805AS-015J-01	B	15	50	250	3400	.17	600	.24	.20	.17	.13	2500	.094
434-0805AS-022J-01	0805AS-022J-01	B	22	57	250	2600	.22	500	.24	.20	.17	.13	2500	.094
434-0805AS-033J-01	0805AS-033J-01	B	33	60	250	2050	.27	500	.24	.20	.17	.13	2500	.094
434-0805AS-056J-01	0805AS-056J-01	B	56	64	200	1550	.34	500	.24	.20	.17	.13	2500	.094
434-0805AS-068J-01	0805AS-068J-01	B	68	65	200	1450	.38	400	.24	.20	.17	.13	2500	.094
434-0805AS-082J-01	0805AS-082J-01	B	82	67	150	1300	.42	400	.24	.20	.17	.13	2500	.094
434-0805AS-R10J-01	0805AS-R10J-01	B	100	65	150	1200	.46	400	.24	.20	.17	.13	2500	.094
434-0805AS-R15J-01	0805AS-R15J-01	B	150	60	100	920	.56	400	.24	.20	.17	.13	2500	.094
434-0805AS-R22J-01	0805AS-R22J-01	B	220	59	100	850	.70	400	.24	.20	.17	.13	2500	.094
434-0805AS-R33J-01	0805AS-R33J-01	B	330	40	100	790	1.8	260	.24	.20	.17	.13	2500	.094
434-0805AS-R47J-01	0805AS-R47J-01	B	470	40	100	720	2.5	170	.24	.20	.17	.13	2500	.094
434-0805AS-R68J-01	0805AS-R68J-01	B	680	37	50	600	4.0	170	.24	.20	.17	.13	2500	.094
434-0805AS-1R0J-01	0805AS-1R0J-01	B	1000	23	25	215	2.35	180	.24	.20	.17	.13	2500	.094
434-0805AS-2R2J-01	0805AS-2R2J-01	B	2200	15	7.9	60	3.8	150	.24	.20	.17	.13	2500	.094
434-0805AS-3R3J-01	0805AS-3R3J-01	B	3300	15	7.9	99	5.1	120	.24	.20	.17	.13	2500	.094
434-0805AS-4R7J-01	0805AS-4R7J-01	B	4700	15	7.9	50	8.0	100	.24	.20	.17	.13	2500	.094
1008AS Series														
434-1008AS-010J-01	1008AS-010J-01	C	10	50	50	4100	.08	1000	.24	.20	.17	.13	2000	.104
434-1008AS-033J-01	1008AS-033J-01	C	33	65	50	1600	.14	1000	.24	.20	.17	.13	2000	.104
434-1008AS-039J-01	1008AS-039J-01	C	39	60	50	1500	.15	1000	.24	.20	.17	.13	2000	.104
434-1008AS-047J-01	1008AS-047J-01	C	47	65	50	1500	.16	1000	.24	.20	.17	.13	2000	.104
434-1008AS-068J-01	1008AS-068J-01	C	68	67	50	1300	.20	1000	.24	.20	.17	.13	2000	.104
434-1008AS-082J-01	1008AS-082J-01	C	82	63	50	1000	.22	1000	.24	.20	.17	.13	2000	.104
434-1008AS-R10J-01	1008AS-R10J-01	C	100	63	25	1000	.56	650	.24	.20	.17	.13	2000	.104
434-1008AS-R47J-01	1008AS-R47J-01	C	470	54	25	450	1.19	470	.24	.20	.17	.13	2000	.104
434-1008AS-R82J-01	1008AS-R82J-01	C	820	52	25	350	1.61	400	.24	.20	.17	.13	2000	.104
434-1008AS-1R0J-01	1008AS-1R0J-01	C	1000	36	25	290	1.75	370	.24	.20	.17	.13	2000	.104
434-1008AS-1R2J-01	1008AS-1R2J-01	C	1200	35	7.9	250	2.0	310	.24	.20	.17	.13	2000	.104
434-1008AS-1R5J-01	1008AS-1R5J-01	C	1500	35	7.9	200	2.3	330	.24	.20	.17	.13	2000	.104
434-1008AS-1R8J-01	1008AS-1R8J-01	C	1800	34	7.9	160	2.6	300	.24	.20	.17	.13	2000	.104
434-1008AS-2R7J-01	1008AS-2R7J-01	C	2700	23	7.9	140	4.8	110	.24	.20	.17	.13	2000	.104

CHIP INDUCTORS ENGINEER'S KITS

Let FASTRON help streamline your design process. How? Fastron provides Engineer's Kits stocked with wire wound chip inductors. Save time and work with these sturdy, re-useable kits. Each contains a complete array of values and detailed datasheets.



MOUSER STOCK NO.	Fastron Part No.	Description	Price Each	
			1	2
434-EK0603AS-J	EK-0603AS-J	0603 Case 5% Tol 10 each-28 Values, 1.8nH-680nH	56.55	53.65
434-EK0805AS-J	EK-0805AS-J	0805 Case 5% Tol 10 each-28 Values, 3.3nH-4.7µH	56.55	53.65
434-EK1008AS-J	EK-1008AS-J	1008 Case 5% Tol 10 each-28 Values, 4.7nH-10µH	56.55	53.65

