

FASTRON Chokes and Coils

EPOXY COATED CHOKES

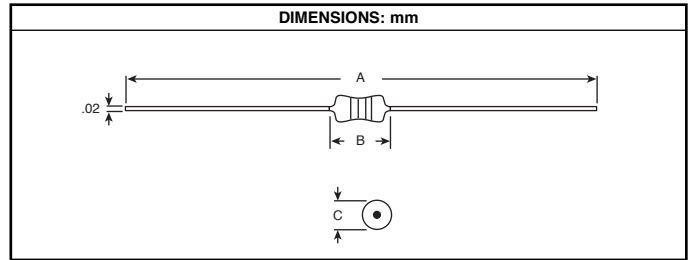
These choke coils are UL recognized and feature an inductance of 0.15μH to 100,000μH, capable of handling currents from 55mA to 1.35 amps. They are more economical than molded chokes and require no more board space than a 1/2 watt resistor. Tape and reel, ammo pack, and formed leads are available upon request.



For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Price Each			
	1	50	100	500
434-22-Value	.20	.17	.13	.10
434-23-Value	.20	.17	.13	.10
434-15-Value	.80	.66	.53	.39

- EIA color coded
- Operating temperature: -55°C to +125°C
- Dielectric Insulation strength: 2.0 KV



22 Series

MOUSER STOCK NO.	Fastron Part No.	L (μH)	Tol. %	Q Min.	Test Freq. (MHz)	SRF Min. (MHz)	DCR Max. (Ω)	Rated DC Current (A)	Dimensions: mm		
									A	B	C
434-22-R15	MICC/N-R15K-00	0.15	10	35	25.2	500	0.13	1.02	63	7	3.3
434-22-R22	MICC/N-R22K-00	0.22	10	35	25.2	420	0.16	0.99	63	7	3.3
434-22-R27	MICC/N-R27K-00	0.27	10	35	25.2	380	0.17	0.91	63	7	3.3
434-22-R39	MICC/N-R39K-00	0.39	10	35	25.2	300	0.22	0.79	63	7	3.3
434-22-R47	MICC/N-R47K-00	0.47	10	35	25.2	280	0.25	0.75	63	7	3.3
434-22-R68	MICC/N-R68K-00	0.68	10	35	25.2	240	0.48	0.53	63	7	3.3
434-22-R82	MICC/N-R82K-00	0.82	10	35	25.2	230	0.55	0.50	63	7	3.3
434-22-1R0	MICC/N-1R0J-00	1	5	35	25.2	180	0.25	0.63	63	7	3.3
434-22-1R5	MICC/N-1R5J-00	1.5	5	40	7.96	150	0.3	0.57	63	7	3.3
434-22-1R8	MICC/N-1R8J-00	1.8	5	40	7.96	130	0.3	0.54	63	7	3.3
434-22-2R2	MICC/N-2R2J-00	2.2	5	40	7.96	120	0.35	0.52	63	7	3.3
434-22-2R7	MICC/N-2R7J-00	2.7	5	40	7.96	110	0.4	0.48	63	7	3.3
434-22-3R3	MICC/N-3R3J-00	3.3	5	40	7.96	110	0.5	0.42	63	7	3.3
434-22-3R9	MICC/N-3R9J-00	3.9	5	40	7.96	100	0.55	0.40	63	7	3.3
434-22-4R7	MICC/N-4R7J-00	4.7	5	40	7.96	90	0.65	0.38	63	7	3.3
434-22-6R8	MICC/N-6R8J-00	6.8	5	45	7.96	70	1.45	0.25	63	7	3.3
434-22-8R2	MICC/N-8R2J-00	8.2	5	50	7.96	65	1.6	0.24	63	7	3.3
434-22-100	MICC/N-100J-00	10	5	50	7.96	60	1.7	0.23	63	7	3.3
434-22-120	MICC/N-120J-00	12	5	50	2.52	50	2.4	0.19	63	7	3.3
434-22-150	MICC/N-150J-00	15	5	50	2.52	45	2.7	0.185	63	7	3.3
434-22-220	MICC/N-220J-00	22	5	60	2.52	12	0.9	0.335	63	7	3
434-22-330	MICC/N-330J-00	33	5	60	2.52	10	1.12	0.30	63	7	3
434-22-390	MICC/N-390J-00	39	5	60	2.52	8.5	1.21	0.285	63	7	3
434-22-470	MICC/N-470J-00	47	5	60	2.52	7.7	2.4	0.20	63	7	3
434-22-820	MICC/N-820J-00	82	5	60	2.52	5.5	3.2	0.175	63	7	3
434-22-101	MICC/N-101J-00	100	5	60	2.52	5.3	3.5	0.17	63	7	3
434-22-151	MICC/N-151J-00	150	5	60	0.79	4.6	4.3	0.15	63	7	3
434-22-221	MICC/N-221J-00	220	5	60	0.79	3.8	5.8	0.13	63	7	3
434-22-331	MICC/N-331J-00	330	5	60	0.79	3	8.7	0.105	63	7	3
434-22-471	MICC/N-471J-00	470	5	60	0.79	2.3	12	0.09	63	7	3
434-22-561	MICC/N-561J-00	560	5	60	0.79	2.2	16.5	0.075	63	7	3
434-22-681	MICC/N-681J-00	680	5	60	0.79	2	22	0.065	63	7	3
434-22-102	MICC/N-102J-00	1000	5	60	0.79	1.5	33	0.55	63	7	3

23 Series

MOUSER STOCK NO.	Fastron Part No.	L (μH)	Tol. %	Q Min.	Test Freq. (MHz)	SRF Min. (MHz)	DCR Max. (Ω)	Rated DC Current (mA)	Dimensions: mm		
									A	B	C
434-23-100J	SMCC/N-100J-00	10	5	65	7.96	35	0.49	680	64	9.5	4
434-23-120J	SMCC/N-120J-00	12	5	50	2.52	30	0.55	650	64	9.5	4
434-23-150J	SMCC/N-150J-00	15	5	50	2.52	20	0.60	610	64	9.5	4
434-23-180J	SMCC/N-180J-00	18	5	50	2.52	17	0.67	580	64	9.5	4
434-23-220J	SMCC/N-220J-00	22	5	50	2.52	13	0.74	560	64	9.5	4
434-23-470J	SMCC/N-470J-00	47	5	40	2.52	7.5	1.1	450	64	9.5	4
434-23-101J	SMCC/N-101J-00	100	5	30	2.52	5	1.7	370	64	9.5	4
434-23-221J	SMCC/N-221J-00	220	5	70	0.79	3.7	3.3	250	64	9.5	4
434-23-331J	SMCC/N-331J-00	330	5	70	0.79	2.7	6.4	190	64	9.5	4
434-23-471J	SMCC/N-471J-00	470	5	70	0.79	2.2	7.9	170	64	9.5	4
434-23-681J	SMCC/N-681J-00	680	5	55	0.79	1.9	10	150	64	9.5	4
434-23-102J	SMCC/N-102J-00	1000	5	50	0.79	1.6	14	130	64	9.5	4

15 Series

MOUSER STOCK NO.	Fastron Part No.	L (μH)	Tol. %	Q Min.	Test Freq. (MHz)	SRF Min. (MHz)	DCR Max. (Ω)	Rated DC Current (mA)	Dimensions: mm		
									A	B	C
434-15-331K	VHBC-331J-00	330	5	25	796	1.4	1.4	630	63	16	6
434-15-391K	VHBC-391J-00	390	5	25	796	1.3	1.6	590	63	16	6
434-15-471K	VHBC-471J-00	470	5	20	796	1.2	1.8	550	63	16	6
434-15-681K	VHBC-681J-00	680	5	15	796	0.92	2.6	500	63	16	6
434-15-102J	VHBC-102J-00	1000	5	70	252	0.72	4.2	400	63	16	6
434-15-122J	VHBC-122J-00	1200	5	70	252	0.68	5.5	350	63	16	6
434-15-182J	VHBC-182J-00	1800	5	70	252	0.65	6	300	63	16	6
434-15-222J	VHBC-222J-00	2200	5	65	252	0.5	10	250	63	16	6
434-15-472J	VHBC-472J-00	4700	5	30	252	0.31	18	200	63	16	6
434-15-153J	VHBC-153J-00	15000	5	55	79.6	0.17	63	100	63	16	6
434-15-183J	VHBC-183J-00	18000	5	50	79.6	0.16	90	86	63	16	6
434-15-273J	VHBC-273J-00	27000	5	50	79.6	0.14	130	75	63	16	6
434-15-333J	VHBC-333J-00	33000	5	50	79.6	0.14	130	67	63	16	6
434-15-104J	VHBC-104J-00	100000	5	20	25.2	0.06	490	34	63	16	6

RFI SUPPRESSION COILS

These RFI suppression coils feature inductance ranges from 1μH to 10,000μH capable of handling currents from 80mA to 12 amps. Non-standard values and tape/reel packaging are available on request.

Specifications:

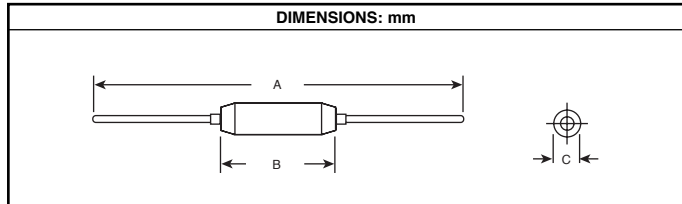
- Operating temperature range: -55°C - +125°C
- Dielectric insulation strength: 2.5KV
- Inductive tolerance: ±20%
- Rated inductance measured at : 1MHz for L ≤ 10μH; 100kHz for 10μH < L ≤ 1000μH; 10kHz for L > 1000μH

Applications:

- Communications (RF blocking, filtering and decoupling)
- Consumer electronics
- Interference suppression

Features:

- UL recognized and VDE approved



Low Current Suppression Coils - Iron Oxide Core

MOUSER STOCK NO.	Fastron Part No.	L (μH)	Rated DC Current (A)	DCR Max. (Ω)	Dimensions: mm		
					A	B	C
434-09-1R0M	SMSC-1R0M-00	1	6.00	14	87	17	5.5
434-09-2R0M	SMSC-2R0M-00	2	4.00	24	87	17	5.5
434-09-3R0M	SMSC-3R0M-00	3	3.00	46	87	17	5.5
434-09-6R0M	SMSC-6R0M-00	6	2.00	144	87	17	5.5
434-09-100M	SMSC-100M-00	10	1.50	276	87	17	5.5
434-09-230M	SMSC-230M-00	23	0.70	876	87	17	5.5
434-09-161M	SMSC-161M-00	160	0.15	21600	87	19	5.5

Medium Current Suppression Coils - Ferrite Core

MOUSER STOCK NO.	Fastron Part No.	L (μH)	Rated DC Current (A)	DCR Max. (Ω)	Dimensions: mm		
					A	B	C
434-11-120M	MESC-120M-00	12	4.00	48	87	24	7.5
434-11-220M	MESC-220M-00	22	3.00	84	87	24	7.5
434-11-400M	MESC-400M-00	40	2.00	216	87	24	7.5
434-11-560M	MESC-560M-00	56	1.50	360	87	24	7.5
434-11-101M	MESC-101M-00	100	1.00	780	87	24	7.5
434-11-221M	MESC-221M-00	220	0.50	3120	87	24	7.5
434-11-471M	MESC-471M-00	470	0.30	7800	87	24	7.5
434-11-681M	MESC-681M-00	680	0.20	16800	87	24	7.5
434-11-122M	MESC-122M-00	1200	0.10	40800	87	24	7.5

High Current Suppression Coils - Ferrite Core

MOUSER STOCK NO.	Fastron Part No.	L (μH)	Rated DC Current (A)	DCR Max. (Ω)	Dimensions: mm		
					A	B	C
434-13-5R6M	77A-5R6M-00	5.6	8.00	0.021	92	26	8
434-13-100M	77A-100M-00	10	5.00	0.042	92	26	8
434-13-680M	77A-680M-00	68	3.00	0.12	92	26	11
434-13-101M	77A-101M-00	100	2.50	0.18	92	26	11
434-13-151M	77A-151M-00	150	1.80	0.36	92	26	11
434-13-331M	77A-331M-00	330	1.40	0.60	92	26	11
434-13-102M	77A-102M-00	1000	0.80	1.80	92	26	11
434-13-152M	77A-152M-00	1500	0.70	2.40	92	26	11
434-13-332M	77A-332M-00	3300	0.50	4.80	92	26	11
434-13-682M	77A-682M-00	6800	0.35	9.60	92	26	11
434-13-103M	77A-103M-00	10000	0.30	14.40	92	26	11