

FASTRON Radial and Axial Coils

Fine Inductors
Fastron

RoHS Compliant This product is RoHS compliant.

RADIAL PLUGGABLE COILS

Features:

- All 5% inductance tolerance
- Multi-layer windings on ferrite cores
- Heatshrink tube protected or ferrite magnetic shielded
- Sturdy pluggable radial construction with solder dipped leads
- Wide selection of medium to high inductances

Applications:

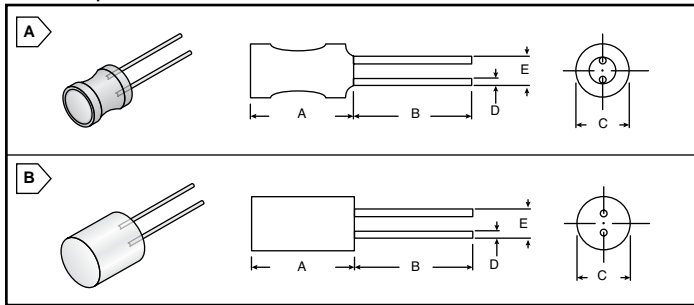
- DC/DC Converters
- Filtering applications
- Instrumentation



RoHS Compliant

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Price Each			
		1	50	100	500
434-17-Value	A				
434-01-Value	A				
434-03-Value	A				
434-02-Value	B				



17 Series

MOUSER STOCK NO.	Fastron Stock No.	L (μH) @ 20kHz	Q Min.	f ₀ (kHz)	SRF Freq. (MHz)	DCR Max. (Ω)	Rated DC Current (mA)	Dimensions: mm				
								A	B	C	D	E
434-17-681J	07P-681J-50	680	80	796	2.3	3.7	170	12	14	7.5	.65	3.5
434-17-821J	07P-821J-50	820	80	796	2.1	4.1	160	12	14	7.5	.65	3.5
434-17-102J	07P-102J-50	1000	100	252	1.8	5.4	150	12	14	7.5	.65	3.5
434-17-122J	07P-122J-50	1200	100	252	1.6	5.8	140	12	14	7.5	.65	3.5
434-17-152J	07P-152J-50	1500	100	252	1.5	6.5	130	12	14	7.5	.65	3.5
434-17-182J	07P-182J-50	1800	100	252	1.4	7.5	120	12	14	7.5	.65	3.5
434-17-222J	07P-222J-50	2200	100	252	1.3	8.8	110	12	14	7.5	.65	3.5
434-17-272J	07P-272J-50	2700	100	252	1.2	9.8	100	12	14	7.5	.65	3.5
434-17-332J	07P-332J-50	3300	100	252	1.1	13	80	12	14	7.5	.65	3.5
434-17-472J	07P-472J-50	4700	100	252	0.9	18.5	70	12	14	7.5	.65	3.5
434-17-562J	07P-562J-50	5600	100	252	0.8	21	60	12	14	7.5	.65	3.5
434-17-682J	07P-682J-50	6800	100	252	0.7	29	55	12	14	7.5	.65	3.5
434-17-822J	07P-822J-50	8200	100	252	0.65	33	50	12	14	7.5	.65	3.5

01 Series

MOUSER STOCK NO.	Fastron Stock No.	L (μH) @ 20kHz	Q Min.	f ₀ (kHz)	SRF Freq. (MHz)	DCR Max. (Ω)	Rated DC Current (mA)	Dimensions: mm				
								A	B	C	D	E
434-01-101J	09P-101J-50	100	40	796	5	0.3	790	14	14	9.5	.70	5
434-01-151J	09P-151J-50	150	40	796	4	0.4	650	14	14	9.5	.70	5
434-01-221J	09P-221J-50	220	30	796	3.3	0.5	530	14	14	9.5	.70	5
434-01-331J	09P-331J-50	330	35	796	2.7	1.0	500	14	14	9.5	.70	5
434-01-391J	09P-391J-50	390	35	796	2.5	1.1	460	14	14	9.5	.70	5
434-01-471J	09P-471J-50	470	35	796	2.3	1.3	420	14	14	9.5	.70	5
434-01-561J	09P-561J-50	560	35	796	2	1.5	400	14	14	9.5	.70	5
434-01-681J	09P-681J-50	680	35	796	1.9	1.9	350	14	14	9.5	.70	5
434-01-821J	09P-821J-50	820	35	796	1.7	2.2	310	14	14	9.5	.70	5
434-01-102J	09P-102J-50	1000	70	252	1.6	2.6	280	14	14	9.5	.70	5
434-01-122J	09P-122J-50	1200	70	252	1.4	3.0	250	14	14	9.5	.70	5
434-01-152J	09P-152J-50	1500	70	252	1.2	5.1	220	14	14	9.5	.70	5
434-01-222J	09P-222J-50	2200	70	252	1	7.0	180	14	14	9.5	.70	5
434-01-272J	09P-272J-50	2700	70	252	0.9	8.0	170	14	14	9.5	.70	5
434-01-332J	09P-332J-50	3300	70	252	0.8	9.0	150	14	14	9.5	.70	5
434-01-392J	09P-392J-50	3900	70	252	0.75	10	140	14	14	9.5	.70	5
434-01-472J	09P-472J-50	4700	70	252	0.65	11.5	130	14	14	9.5	.70	5
434-01-562J	09P-562J-50	5600	70	252	0.63	15	120	14	14	9.5	.70	5
434-01-682J	09P-682J-50	6800	70	252	0.57	17	110	14	14	9.5	.70	5
434-01-822J	09P-822J-50	8200	70	252	0.5	20	100	14	14	9.5	.70	5
434-01-103J	09P-103J-50	10000	70	79	0.41	35	90	14	14	9.5	.70	5
434-01-123J	09P-123J-50	12000	70	79	0.38	40	80	14	14	9.5	.70	5
434-01-153J	09P-153J-50	15000	70	79	0.35	45	70	14	14	9.5	.70	5
434-01-183J	09P-183J-50	18000	70	79	0.34	50	65	14	14	9.5	.70	5
434-01-223J	09P-223J-50	22000	70	79	0.3	58	60	14	14	9.5	.70	5
434-01-273J	09P-273J-50	27000	70	79	0.29	70	55	14	14	9.5	.70	5
434-01-333J	09P-333J-50	33000	70	79	0.26	75	50	14	14	9.5	.70	5

03 Series

MOUSER STOCK NO.	Fastron Stock No.	L (mH) @ 20kHz	Q Min.	f ₀ (kHz)	SRF Freq. (MHz)	DCR Max. (Ω)	Rated DC Current (mA)	Dimensions: mm				
								A	B	C	D	E
434-03-103J	11P-103J-50	10	50	79	0.35	23	110	16	10	12	0.7	5
434-03-123J	11P-123J-50	12	50	79	0.32	24	100	16	10	12	0.7	5
434-03-153J	11P-153J-50	15	50	79	0.29	28	90	16	10	12	0.7	5
434-03-223J	11P-223J-50	22	50	79	0.25	39	70	16	10	12	0.7	5
434-03-273J	11P-273J-50	27	50	79	0.21	48	70	16	10	12	0.7	5
434-03-333J	11P-333J-50	33	50	79	0.2	56	65	16	10	12	0.7	5
434-03-393J	11P-393J-50	39	50	79	0.19	62	60	16	10	12	0.7	5
434-03-473J	11P-473J-50	47	50	79	0.18	73	55	16	10	12	0.7	5
434-03-563J	11P-563J-50	56	50	79	0.14	115	50	16	10	12	0.7	5
434-03-683J	11P-683J-50	68	50	79	0.13	120	50	16	10	12	0.7	5
434-03-104J	11P-104J-50	100	50	25	0.11	155	40	16	10	12	0.7	5
434-03-124J	11P-124J-50	120	50	25	0.09	186	37	16	10	12	0.7	5
434-03-154J	11P-154J-50	150	50	25	0.08	205	35	16	10	12	0.7	5

02 Series

MOUSER STOCK NO.	Fastron Stock No.	L (mH) @ 20kHz	Q Min.	f ₀ (kHz)	SRF Freq. (MHz)	DCR Max. (Ω)	Rated DC Current (mA)	Dimensions: mm				
								A	B	C	D	E
434-02-102J	07MFG-102J-50	1	70	252	---	3.4	90	12.5	14	10	.65	3.5
434-02-122J	07MFG-122J-50	1.2	70	252	---	3.7	75	12.5	14	10	.65	3.5
434-02-152J	07MFG-152J-50	1.5	70	252	---	4	70	12.5	14	10	.65	3.5
434-02-182J	07MFG-182J-50	1.8	70	252	---	4.5	65	12.5	14	10	.65	3.5
434-02-222J	07MFG-222J-50	2.2	70	252	---	5.2	60	12.5	14	10	.65	3.5
434-02-272J	07MFG-272J-50	2.7	70	252	---	5.8	55	12.5	14	10	.65	3.5
434-02-332J	07MFG-332J-50	3.3	100	252	---	6.1	50	12.5	14	10	.65	3.5
434-02-392J	07MFG-392J-50	3.9	100	252	---	7.2	45	12.5	14	10	.65	3.5
434-02-472J	07MFG-472J-50	4.7	100	252	---	7.5	40	12.5	14	10	.65	3.5
434-02-562J	07MFG-562J-50	5.6	100	252	---	8.4	40	12.5	14	10	.65	3.5
434-02-682J	07MFG-682J-50	6.8	70	252	---	9.7	35	12.5	14	10	.65	3.5
434-02-822J	07MFG-822J-50	8.2	70	252	---	10.4	30	12.5	14	10	.65	3.5
434-02-103J	07MFG-103J-50	10	100	79	---	12.1	25	12.5	14	10	.65	3.5
434-02-123J	07MFG-123J-50	12	100	79	---	13	25	12.5	14	10	.65	3.5
434-02-153J	07MFG-153J-50	15	100	79	---	15	25	12.5	14	10	.65	3.5
434-02-183J	07MFG-183J-50	18	100	79	---	17	22	12.5	14	10	.65	3.5
434-02-223J	07MFG-223J-50	22	100	79	---	19.5	21	12.5	14	10	.65	3.5
434-02-273J	07MFG-273J-50	27	100	79	---	22	18	12.5	14	10	.65	3.5
434-02-333J	07MFG-333J-50	33	100	79	---	26	17	12.5	14	10	.65	3.5
434-02-473J	07MFG-473J-50	47	100	79	---	52	13	12.5	14	10	.65	3.5
434-02-563J	07MFG-563J-50	56	100	79	---	58	12	12.5	14	10	.65	3.5
434-02-683J	07MFG-683J-50	68	70	79	---	66	12	12.5	14	10	.65	3.5
434-02-823J	07MFG-823J-50	82	70	79	---	71	10	12.5	14	10	.65	3.5

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



E169264



RoHS Compliant

Applications:

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

Features:

- UL recognized and VDE approved

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Price Each			
	1	50	100	500
434-09-Value				
434-11-Value				
434-13-Value				

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