Fine Inductors

Fastron

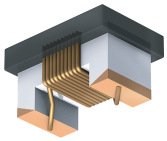
RoHS Compliant

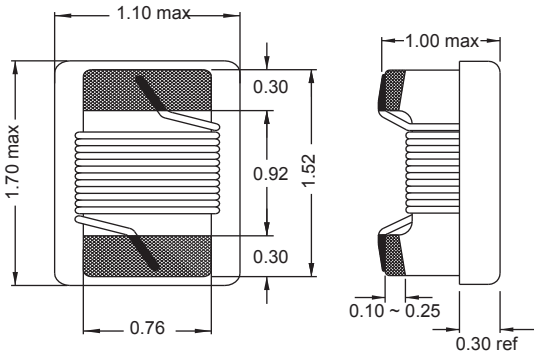
www.fastrongroup.com

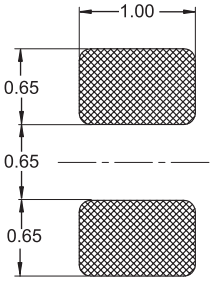
0603 AS

Engineer's Kit : EK-0603AS-X

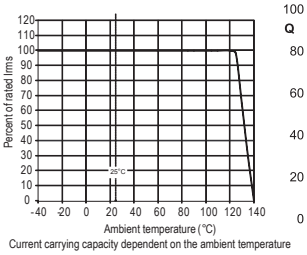
Chip Inductors (wire wound - open)



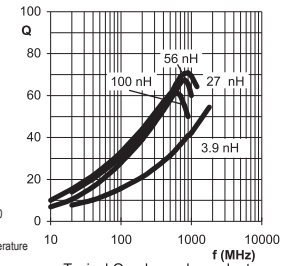




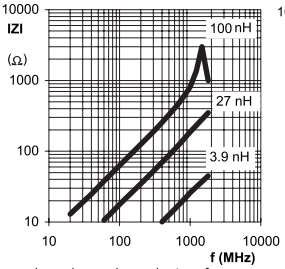
recommended layout for solder pads



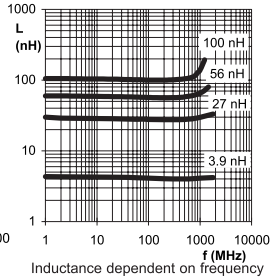
Current carrying capacity dependent on the ambient temperature



Typical Q - shape dependent on frequency



Impedance dependent on frequency



Inductance dependent on frequency

Part No	Inductance L (nH)	f_L (MHz)	Tol ± (%)	Q min	f_Q (MHz)	SRF[1] (GHz)	DCR max (Ω)	Rated DC Current (mA)
0603AS-1N2M-01	1.2	250	20	30	250	>6.0	0.030	850
0603AS-1N3M-01	1.3	250	20	30	250	>6.0	0.030	850
0603AS-1N5K-01	1.5	250	10	20	250	>6.0	0.030	850
0603AS-1N6K-01	1.6	250	10	20	250	>6.0	0.030	850
0603AS-1N8K-01	1.8	250	10	16	250	>6.0	0.045	700
0603AS-2N0K-01	2.0	250	10	10	250	5.9	0.17	170
0603AS-2N2M-01	2.2	250	20	10	250	5.9	0.17	170
0603AS-3N3K-01	3.3	250	10	22	250	6.0	0.10	700
0603AS-3N6K-01	3.6	250	10	20	250	>6.0	0.08	700
0603AS-3N9K-01	3.9	250	10	22	250	>6.0	0.08	700
0603AS-4N3K-01	4.3	250	10	25	250	>6.0	0.07	700
0603AS-4N7K-01	4.7	250	10	25	250	>6.0	0.07	700
0603AS-5N1K-01	5.1	250	10	20	250	>6.0	0.10	700
0603AS-5N6K-01	5.6	250	10	27	250	6.0	0.12	700
0603AS-6N2J-01	6.2	250	5	25	250	5.8	0.11	700
0603AS-6N8J-01	6.8	250	5	27	250	5.8	0.11	700
0603AS-7N5J-01	7.5	250	5	30	250	5.4	0.12	700
0603AS-7N6J-01	7.6	250	5	30	250	5.4	0.12	700
0603AS-8N0J-01	8.0	250	5	30	250	5.4	0.12	700
0603AS-8N2J-01	8.2	250	5	30	250	5.4	0.12	700
0603AS-8N7J-01	8.7	250	5	28	250	4.6	0.109	700
0603AS-8N9J-01	8.9	250	5	25	250	4.6	0.19	700
0603AS-9N5J-01	9.5	250	5	25	250	5.0	0.19	700
0603AS-010J-01	10	250	5	31	250	4.8	0.13	700
0603AS-011J-01	11	250	5	35	250	4.0	0.13	700
0603AS-012J-01	12	250	5	35	250	4.0	0.13	700
0603AS-015J-01	15	250	5	35	250	4.0	0.17	700
0603AS-016J-01	16	250	5	35	250	3.2	0.17	700
0603AS-018J-01	18	250	5	35	250	3.1	0.17	700
0603AS-022J-01	22	250	5	38	250	3.0	0.19	700
0603AS-024J-01	24	250	5	38	250	2.8	0.22	600
0603AS-027J-01	27	250	5	40	250	2.8	0.22	600
0603AS-030J-01	30	250	5	40	250	2.3	0.22	600
0603AS-033J-01	33	250	5	40	250	2.3	0.22	600
0603AS-036J-01	36	250	5	40	250	2.2	0.25	600
0603AS-039J-01	39	250	5	40	250	2.2	0.25	600
0603AS-043J-01	43	250	5	40	250	2.0	0.28	600
0603AS-047J-01	47	200	5	38	200	2.0	0.28	600
0603AS-051J-01	51	200	5	38	200	1.9	0.28	600
0603AS-056J-01	56	200	5	38	200	1.9	0.31	400
0603AS-068J-01	68	200	5	37	200	1.7	0.34	400
0603AS-072J-01	72	150	5	34	150	1.7	0.49	400
0603AS-082J-01	82	150	5	34	150	1.7	0.54	400
0603AS-090J-01	90	150	5	34	150	1.7	0.54	400
0603AS-R10J-01	100	150	5	34	150	1.40	0.58	400
0603AS-R11J-01	110	150	5	34	150	1.35	0.61	300
0603AS-R12J-01	120	150	5	34	150	1.30	0.65	300
0603AS-R13J-01	130	150	5	32	150	1.20	0.90	200
0603AS-R15J-01	150	150	5	32	150	1.20	0.90	200
0603AS-R18J-01	180	100	5	32	100	1.10	1.20	200
0603AS-R20J-01	200	100	5	30	100	1.10	1.55	200
0603AS-R22J-01	220	100	5	30	100	1.00	1.60	150
0603AS-R25J-01	250	100	5	25	100	0.95	2.30	150
0603AS-R27J-01	270	100	5	25	100	0.95	2.30	150
0603AS-R30J-01	300	100	5	25	100	0.90	2.40	150
0603AS-R33J-01	330	100	5	25	100	0.60	2.50	150
0603AS-R39K-01	390	100	10	25	100	0.45	2.90	150
0603AS-R47K-01	470	25	10	16	25	0.23	2.80	150
0603AS-R56K-01	560	25	10	16	25	0.15	2.90	150
0603AS-R68K-01	680	25	10	16	25	0.14	3.00	140
0603AS-R75K-01	750	25	10	16	25	0.32	3.50	130
0603AS-R82K-01	820	25	10	16	25	0.29	3.70	120
0603AS-R91K-01	910	25	10	16	25	0.14	3.80	120
0603AS-1R0K-01	1000	25	10	16	25	0.25	4.00	110
0603AS-1R2K-01	1200	25	10	16	25	0.14	4.20	100

Material : Ceramic

SPQ : Reel 4000 [-01]
2000 [-08]

Remark: - For not listed inductance values please check availability with us.
- 2% and 5% tolerance available on request.
- **SRF[1] :** 1.2nH to 390nH = **SRF** min
: 470nH to 1200nH = **SRF** typ

● All dimensions in mm