

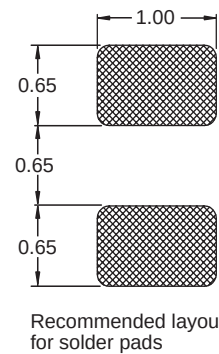
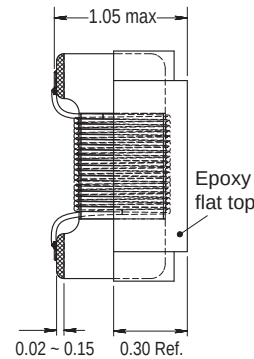
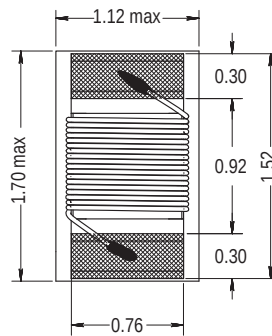
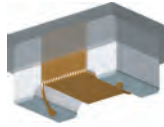


0603 AQC

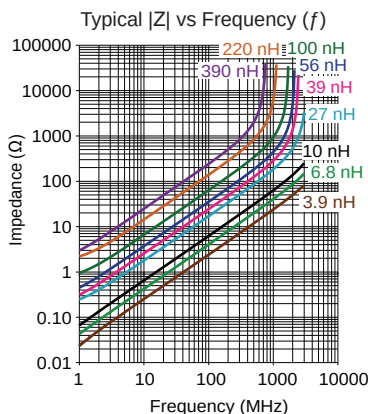
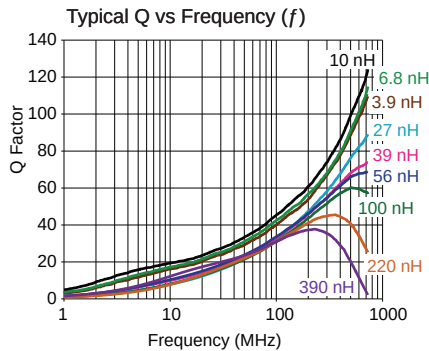
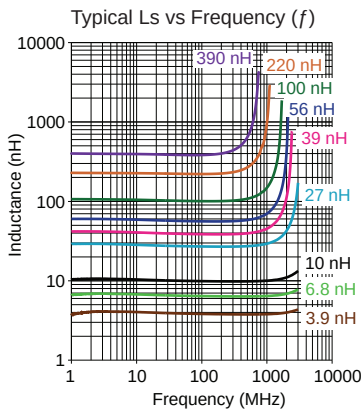


Exceptionally High Q and for Higher Currents

Engineer's Kit: EK-0603AQC-X



Recommended layout for solder pads



Single layer (typ)

Part No	Inductance	f_L	Tol	Q	f_Q	SRF	DCR	Rated DC
	L (nH)	(MHz)	± (%)	min	(MHz)	(GHz)	max (Ω)	Current (A)
0603AQC-3N9K-YY	3.9	100	10	50	250	10.00 min	0.025	3.50
0603AQC-5N6K-YY	5.6	100	10	42	250	6.65 min	0.045	3.00
0603AQC-6N8K-YY	6.8	100	10	42	250	6.65 min	0.045	3.00
0603AQC-7N5K-YY	7.5	100	10	42	250	3.90 min	0.045	3.00
0603AQC-9N5K-YY	9.5	100	10	42	250	3.90 min	0.050	2.70
0603AQC-010J-YY	10	100	5	45	250	3.85 min	0.050	2.70
0603AQC-011J-YY	11	100	5	45	250	3.50 min	0.050	2.50
0603AQC-012J-YY	12	100	5	45	250	3.00 min	0.055	2.50
0603AQC-015J-YY	15	100	5	45	250	3.00 min	0.070	2.50
0603AQC-016J-YY	16	100	5	45	250	2.80 min	0.070	2.50
0603AQC-018J-YY	18	100	5	42	250	2.50 min	0.080	2.40
0603AQC-022J-YY	22	100	5	42	250	2.40 min	0.085	2.30
0603AQC-024J-YY	24	100	5	42	250	2.40 min	0.085	2.25
0603AQC-027J-YY	27	100	5	42	250	2.40 min	0.095	1.60
0603AQC-030J-YY	30	100	5	42	250	2.30 min	0.100	1.60
0603AQC-033J-YY	33	100	5	42	250	2.30 min	0.110	1.60
0603AQC-036J-YY	36	100	5	40	250	2.30 min	0.140	1.60
0603AQC-039J-YY	39	100	5	40	250	2.30 min	0.160	1.50
0603AQC-043J-YY	43	100	5	40	250	2.30 min	0.180	1.00
0603AQC-047J-YY	47	100	5	40	250	2.20 min	0.190	1.00
0603AQC-051J-YY	51	100	5	40	250	2.20 min	0.210	1.00
0603AQC-056J-YY	56	100	5	40	250	2.10 min	0.230	1.00
0603AQC-068J-YY	68	100	5	40	250	2.10 min	0.380	0.90
0603AQC-072J-YY	72	100	5	40	250	2.00 min	0.410	0.85
0603AQC-082J-YY	82	100	5	40	250	2.00 min	0.485	0.80
0603AQC-R10J-YY	100	100	5	38	250	1.75 min	0.550	0.70
0603AQC-R11J-YY	110	100	5	38	250	1.65 min	0.590	0.60
0603AQC-R12J-YY	120	100	5	38	250	1.60 min	0.685	0.50
0603AQC-R15J-YY	150	100	5	38	250	1.45 min	0.850	0.45
0603AQC-R18J-YY	180	100	5	35	250	1.40 min	1.300	0.40
0603AQC-R20J-YY	200	100	5	35	250	1.35 min	1.500	0.35
0603AQC-R22J-YY	220	100	5	35	250	1.20 typ	1.600	0.30
0603AQC-R25J-YY	250	100	5	35	250	1.00 typ	1.650	0.30
0603AQC-R27J-YY	270	100	5	30	250	0.85 typ	1.700	0.30
0603AQC-R30J-YY	300	100	5	30	250	0.75 typ	1.760	0.30
0603AQC-R33J-YY	330	100	5	30	250	0.75 typ	1.960	0.25
0603AQC-R39J-YY	390	100	5	27	250	0.65 typ	2.100	0.25

Core Material: Ceramic

Revision date: 20 Jul 2023

SPQ: Taped / Reel 1000 [-08]
4000 [-01]
15000 [-04]

Remarks: Unlisted inductance values available upon request.